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The STORRS & HARRISON CO.

Painesville Nurseries, Painesville, Ohio.
Spring 1928



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U. S. Department of Agriculture.

Special 1928 ROSE Collection

- (1) John C. Mensing (H. T.) Bright rose pink..... \$2
- (2) Wm. F. Dreer (H. T.) Soft, silvery shell pink..... \$1
- (3) Mme. Edouard Herriot (Pern.) Coral-red and yellow..... \$1

Value \$4.00

ONE EACH OF THE THREE
BY MAIL POSTPAID FOR

\$3.50

D. N. Shoemaker
See Roses, Page 20



The S. & H. Co. BARGAIN FRUIT COLLECTION

No. 1 Med.

(1) One PLUM—Bradshaw..	\$0.75	.60
(2) One CHERRY—Lambert.	1.10	.90
(3) One PEAR—Bartlett	1.00	.80
(4) One APPLE—Delicious ..	.75	.60
(5) One PEACH—J. H. Hale.	.45	.40

List Prices..\$4.05 \$3.30

SPECIAL OFFER

Five Trees No.1 \$**3⁷⁵**
By Express.....

Five Trees Med.\$**3⁰⁰**
By Express.....



Here Is The Most **HELPFUL** Catalog We Have Ever Issued

Read it — Order from it — Save it for future reference



CONTAINED within the pages of this book are the answers to many questions you may have concerning growing things.

It is more than merely ANOTHER CATALOG. Rather, it is an encyclopedia, brimful of interesting, helpful facts concerning the selection and care of growing things as well as practical advice and plans to help you beautify your grounds and make your orchard more productive.

This book is complete in every detail. Practically everything that anyone would want in the territory which we serve is listed and described.

You'll find scores of occasions when you'll need the information contained herein; so, after you have read it and ordered immediately, save it for future use.

Our Resources

We have 1200 acres of fertile soil, varying sufficiently in nature to enable us to plant each crop in the soil best adapted; 45 greenhouses with many auxiliary propagating frames; ample storage cellars that are frost-proof and scientifically ventilated; the most modern special machinery and implements for preparing, planting and cul-

tivating the soil; a force of trained workers varying from 250 to 400 men, as the season requires. All this under the supervision of men who have been reared in the Nursery business and educated especially to its needs.

What Does This Mean to You?

Simply this— that you can order any growing thing you need from Storrs & Harrison, secure in the knowledge that it will be exactly as represented and the best that money, brains and long experience, coupled with true stock, perfect soil and fine climate can produce. Moreover, you know that we are both willing and able to make good should our products fail to please you.

THE STORRS & HARRISON CO.

PAINESVILLE, OHIO

W. E. Harrison Pres.

74 YEARS— of GOOD REPUTATION

Back of everything published in this book is the reputation of The Storrs & Harrison Company, oldest and largest departmental nursery in America—a reputation built on 74 years of conscientious dealing with buyers of growing things.

When you place an order with The Storrs & Harrison Company you are dealing with a responsible, reputable concern, able to deliver exactly what they promise.



This Photograph shows part of our display grounds in the foreground. The building at the right is our office. In the center and to the left are a few of our greenhouses and barns. Visitors are always welcome at the Painesville Nurseries.

OUR LIBERAL TERMS

READ BEFORE ORDERING



WHEN TO ORDER. As soon as this catalog reaches you, send in your complete order for seeds, plants and trees, with definite shipping instructions which we will follow as closely as possible. By ordering early, we are enabled to assemble possibly all of your list while supply is unbroken and "set it aside" awaiting desired, or proper, shipping time.

HOW TO ORDER. Please use order sheet found in rear part of this catalog, carefully filling in blank spaces and enclosing payment for full amount of order. Write very plainly or print name, post office, county, state, street and house number or R. F. D. where you get your mail; with explicit directions if stock is to be shipped to some other town. To avoid mistakes do not write letters on same sheets as orders.

REMITTANCES should be made by post office or express money order, bank draft or registered letter. Remittances in any other way are entirely at sender's risk.

When and How We Ship

POSTPAID BY MAIL. We deliver postpaid to any post office in the United States any article in this catalog offered by mail.

EXPRESS PREFERABLE. We do not prepay express charges. Where distance is not too great it is best to order by express; stronger stock in better condition can be sent, and if goods are miscarried or damaged, they can be more easily traced and damage rectified.

OUR SEED, PLANT and TREE DEPARTMENTS are entirely separate. Many customers prefer having their seeds shipped very early, their bedding plants late, with the fruit and ornamental section in season between. Even when this arrangement is not specified, we sometimes thus exercise our discretion, for the customer's best interests.

Potted Plants, Bulbs and Roses

SHIPMENT BY MAIL. To reduce weight and volume, all pot plants are shipped without pots, and with most of the dirt knocked off. Various kinds of plants cannot be safely mailed and are specially excepted following their descriptions. Mail service is generally prompt and satisfactory for any distance if weight is not too great to allow sufficient packing for preservation of the stock.

SHIPMENT BY EXPRESS. The heavier plants are selected; nearly all the soil is retained, adequate packing material used and substantial cases or containers are furnished free—on deliveries by express. In many cases a special and lower price is quoted for express orders.

ORDERS LESS THAN \$1. We cannot afford to fill orders of less amount than one dollar, unless, in addition to amount for plants wanted, ten cents is sent. This does not apply to Seed orders.

SUBSTITUTION. We reserve the right in case we are out of a variety, to substitute another of equal merit when it can be done (always labeling with correct name)—unless the party ordering says "No Substituting," in which case we will fill order as completely as we can and refund balance of remittance.

TERMS: Net cash with order. No discounts allowed. **POSTPAID BY MAIL.** We deliver postpaid to any post office in the United States, any article in this catalog offered by mail. **BY EXPRESS OR FREIGHT** charges are not prepaid, but are collectible at destination. In the various classes, we will furnish 5 or more of one variety and size at 10 rates; 6 or more at dozen rates; 25 or more at 100 rates; 250 or more at 1000 rate if quoted.

NO POT PLANTS BY FREIGHT. The slowness and uncertainty of freight service make its use very impracticable and unsafe for all tender plants and perennials. If such stock is ordered shipped in this way, customer must assume entire risk of loss or damage.

Trees, Shrubs, Fruits and Evergreens

SEASON OF SHIPPING. Orders for plants from the nursery will be shipped at the proper time for handling as soon as possible after order is received.

LATE SHIPMENTS. Our land is cooled and vegetation kept dormant by proximity to Lake Erie several weeks later than other sections of corresponding latitude. This enables us to dig and ship stock in perfect condition after trees in most other sections are in full leaf, and to supply the slowly warming points further north.

BY FREIGHT OR EXPRESS. Every article not specially priced "Mail size" is priced for delivery by Freight or Express, packed free, but customer to pay transportation charges. All heavy trees in large quantities should be sent by freight if time is not too urgent, as the carrying charge is much less; and our perfect packing admits a long journey without injury to the trees. Strawberry plants, however, are perishable and must be delivered in quickest time possible. We never ship them by freight.

BY MAIL. Mail Size stock sent postpaid as noted above.

OUR SUBSTANTIAL GUARANTEE

All goods are guaranteed to reach you in good condition; mistakes, if made, will be promptly rectified. Accept shipment, examine and count on receipt and notify us at once should there be any errors, and the carrier as well, if any damaged stock. This guarantee not good unless above requirements are complied with. We do not guarantee continued growth. Remember, a tree, shrub or plant is a living organism, as much as a cow, horse or man. It breathes, drinks and feeds, and is liable to attacks of disease and insects. At prices we sell, it is impossible for us to guarantee growth or to be responsible for stock after delivery to our customers in good condition.

THE STORRS & HARRISON CO., Painesville, Ohio.

NON-WARRANTY While we hold ourselves in readiness, on proper proof, to replace free of charge all trees, etc., that may prove untrue to label, or refund the amount paid, we give no warranty expressed or implied as to description, quality, productiveness or any other matter of any Nursery stock, seeds, bulbs or plants we sell.

(Signed) THE STORRS & HARRISON CO.

READ THIS—You will find it Easy to Order from this Catalog



OUR Complete Stock makes it possible for

customers to secure everything needed for orchard, kitchen-garden, lawn flower-beds, window-garden or conservatory, on one order, and nor-

mally in but one shipment. The many plants we offer are divided into the following classifications. This makes it easy for you to find just the plants you are interested in by turning directly to their section. For complete index see page 159.

SHRUBS. S. & H. shrubs will delight you with their beauty and thriftiness. Pages 5-17.

VINES. Climbing and trailing varieties of vines. Every home needs a few. Pages 18-19.

ROSES. The flower for all, for everyone loves roses. S. & H. roses are wonderful plants. Pages 20-33.

PERENNIALS. The hardy flowers of grandmother's garden, and hundreds of others. Pages 34-49.

TREES. No planting investment yields greater returns in comfort and pleasure than a few trees. Pages 50-56.

FREE DELIVERY of Everything OFFERED BY MAIL

There is no fuss or trouble connected with ordering mail size shipments—no zones to figure, no extra postage money to send, for we pay the postage to any Post Office in the United States on any mail size article offered in this catalog. This is a saving of time and trouble for you and is part of our service to you.

EVERGREENS. Evergreens offer richness of color, warmth of foliage and pleasing contrast in form. Pages 57-61.

BULBS. Summer flowering cannas, dahlias and gladioli for a show of beautiful colors. Pages 62-73.

BEDDING PLANTS. The best summer flowers from our Greenhouse Department for general planting in beds, baskets and window boxes. Pages 74-82.

HOUSE PLANTS. Plant subjects used mainly for decorating the house, terrace and conservatory. Pages 83-91.

FLOWER SEEDS. The selective kinds and quality for which S. & H. have long been noted; both annuals and perennials. Pages 92-112.

VEGETABLE SEEDS. Long have we served thousands of customers who demand reliable seed at reasonable prices. Pages 113-136.

LAWN and FARM SEED. Clean, pure seed with high germinating qualities. S. & H. seed is always dependable. Pages 137-140.

FRUIT TREES. The finest products of fertile Ohio soil, from our big growing nursery. Pages 141-158.

GENERAL INDEX. A complete list of everything in the catalog. Pages 159-160.



Fruit trees, shrubs and flowers not only make our grounds more fruitful and beautiful, but actually add value to our property far in excess of the amount spent for such improvements.

THIS CATALOG Makes It Easy for You to Landscape Your Grounds



IT IS EASY to be successful with plantings if a few simple rules are adhered to. Plant in masses, leave open spaces, avoid straight lines. These are the A B C's of plant design.

Choosing plants according to their ultimate height of growth is very important from the standpoint of good looks.

Plant tall growing shrubs in the background, at corners, where height is needed and against foundations where no windows would be covered. Plant medium height shrubs in between groups of taller growers and wherever a medium tall shrub is the most desirable. Under low windows use only the dwarf growers. Another good practice is to plant low growing shrubs in the front row of the plant bed to provide for foliage clear to the ground.

In the shrub section the heights to which the different varieties grow are given. A few carefully arranged foundation plantings are also worked out to give a selection of a complete planting for your home. These plans are adaptable to most any house.

How to Arrange Shrubs

In the different sections of this catalog we give many useful cultural hints to guide you to success. Shrubs

are usually spaced according to the size to which the plant will eventually grow regardless of the size of the plant when it is planted. All tall growing shrubs growing 8 to 12 feet should be set about 4 to 5 feet apart; medium tall growing shrubs, (4 to 8 feet) should be set 3 to 4 feet apart; low growing shrubs (1 to 4 feet) should be set about 2 to 3 feet apart.

PLANTING. As soon as your shipment arrives, open up to verify stock, then heel-in somewhere in shaded, moist soil. Take out a few at a time to location. Dig holes large and deep enough to receive the roots without cramping; sift fine dirt throughout the network of fibrous roots; fill up, tamp solid, leaving no fissures. Soak thoroughly and rake the surface level.

MAINTENANCE. Thereafter, make sure there is sufficient soil moisture. Keep ground cultivated and free from weeds, preserving a straight clean edge.

Pruning in the dormant stage is not injurious to the plant and often easier to accomplish, but, as a result, the spring bloom is not as abundant. The ideal time to prune shrubs that blossom **along their stems** is just after the blooming period.

For Hydrangeas, Hypericum, some Spireas, Roses and other "**terminal blooming**" shrubs, pruning should be done in the dormant stage, or just as they start in the spring. Prune so as to encourage the plant to develop in its natural shape.

Read How One of Our Customers Landscaped His Own Place



A before and after planting picture of the home of Mr. L. P. Goepfert, Akron, O. Read the letter above in which Mr. Goepfert tells of his success with S. & H. shrubs.

Dear Sirs: I am sending these pictures (see illustration below) that may be of interest to you—the bungalow as it was purchased by us without shrubbery of any kind, and then with *Arborescens Grandiflora* at three years. They were purchased from you. We could ask for nothing nicer.

Sincerely,

LOUIS P. GOEPFERT

Akron, Ohio,



HARDY ORNAMENTAL SHRUBS

For Foundation and Border Planting



OUR HOMES become homes in the true sense, only when they are planted. Ornamental shrubs are the foundation of all landscape plantings. We offer a wide selection of varieties to beautify your home and garden.

All Shrubs are Priced by Freight or Express Except Where Specially Stated "Mail Size."

ABELIA GRANDIFLORA. An attractive dwarf shrub, suitable for a sunny, sheltered position anywhere the winters are not extreme; with small shiny foliage which is almost evergreen. The flowers are small, but very pretty and numerous, in loose terminal panicles; color, white flushed with pink. This shrub is rarely without some bloom from June into November.

1½ to 2 feet—65 cts. each; \$6.00 per 10.

2 to 3 feet—75 cts. each; 7.00 per 10.

ALMOND. Early spring flowering shrubs, gaily in full bloom before the leaves appear, with beautiful double flowers of rose or white, snuggling tight to the twigs.

—**Double White and Double Pink.**

1½ to 2 feet—75 cts. each; \$6.50 per 10.

2 to 3 feet—85 cts. each; 7.50 per 10.

AMORPHA FRUTICOSA. Grows 6 to 10 feet high, in large spreading bush form, with bright green leaves in pinnate arrangement; flowers deep violet blue, in June.

1½ to 2 feet—50 cts. each; \$4.00 per 10.

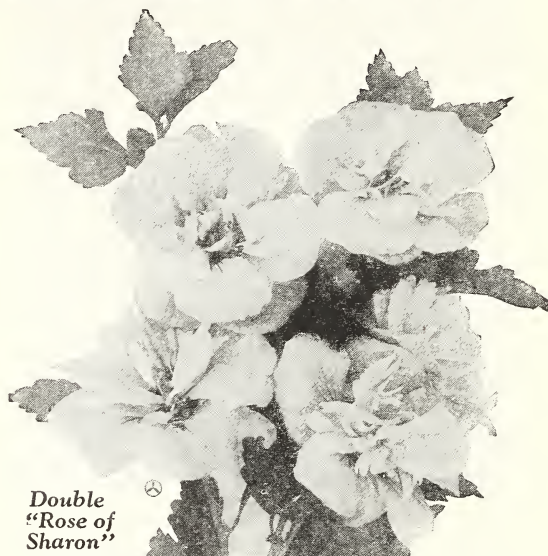
ALTHEA. (Rose of Sharon.) Blooms late in August and September, with a profusion of large and brightly colored flowers much like the tender Hibiscus in form. These are the color spots of fall, as Lilacs and Weigelas are of spring. The late appearing foliage is extra good and valuable for its beauty alone. Grown in standard form, they attain 10 to 12 feet in height and make attractive specimens. Planted more compactly and occasionally pruned, they are both serviceable and showy as hedges. Should not be planted in very cold northern sections.

—**Double Rose, Double White, Double Purple.**

—**Double Red and Double Striped.**

2 to 3 feet—60 cts. each; \$5.00 per 10.

3 to 4 feet—75 cts. each; 6.50 per 10.



Double
"Rose of
Sharon"

—**Totus Albus.** Handsome single flowers of largest size, pure white except for a creamy tone at center. 2 to 3 feet—75 cts. each; \$6.50 per 10. 3 to 4 feet—85 cts. each; 7.50 per 10.

—**Variegated Leaved.** This is one of the handsomest variegated leaved shrubs that grows. The Althea foliage is always attractive; but nothing else can equal its charm when broadly blotched and banded with cream and silver.

1½ to 2 feet—85 cts. each; \$7.50 per 10.

—**Tree Shaped, Double.** Headed up in tree form for use as solitary specimens; or in groups, with dwarfed shrubs beneath the spreading top. Pink, Purple, Red or White.

3 to 4 feet—\$0.85 each; \$7.50 per 10.

4 to 5 feet—1.00 each; 9.00 per 10.

ARALIA PENTAPHYLLA. Long, slender, gracefully arching branches and bright green, compound foliage. Makes a small tree in time, especially attractive on rocky slopes. Greenish white flowers in long umbels. Valuable for its intense green foliage among the autumn coloring of other shrubs.

2 to 3 feet—60 cts. each; \$5.00 per 10.

3 to 4 feet—90 cts. each; 8.00 per 10.

SHRUBS for FOUNDATION PLANTING

All will grow on the sunny side, those which will stand shade are so marked

HIGH-GROWING

Cornus Elegantissima Variegata.
Deutzias—Crenata, Watereri, etc.
Exochorda Grandiflora.
Bush Honeysuckle—In variety.
Common Lilacs.
Philadelphus—in variety.
Ibota Privet (sun or shade.)
Viburnums (sun or shade.)
Weigelas—in variety.

MEDIUM-HEIGHT

Abelia Grandiflora.
Cornus—Paniculata (sun or shade.)
Honeysuckle Morrowi (sun or shade.)
Hydrangea Paniculata (sun or shade.)
Philadelphus Aureus.
Privet—Amoor and Regel's.
Rhodotypos Kerrioides.
Rosa Rugosa and Hybrids (sun or shade.)
Spiraeas—Van Houtte, etc. (sun or shade.)
Symphoricarpos (sun or shade.)
Tamarix—Odessana.
Weigelas—Rosea, and Variegated leaf.

LOW-GROWING

Barberry (sun or shade.)
Box Barberry (sun or shade.)
Callicarpa Purpurea (sun or shade.)
Deutzia—Lemoinei.
Deutzia—Gracilis (sun or shade.)
Hypericum Henryi (sun or shade.)
Kerria Japonica fl. pl.
Lodense Privet (sun or shade.)
Philadelphus—Manteau d'Hermine
Rhus Aromatica (sun or shade.)
Baby Rambler Roses—in variety.
Spiraeas—A. Waterer, Callosa Alba, Froebeli, etc.

We have one of the most complete stocks of plants in America.

ARONIA. (Chokeberry.) Attractive, perfectly hardy shrubs preferring moist location, but equally good in dry soil. Leaves are smooth, pale green, coloring vividly to red in fall. Flowers are a tinted white in numerous small corymbs, succeeded by conspicuous, persistent berry-like fruits.

—**Arbutifolia.** Upright, 6 to 10 feet; very pretty in April and May with an abundance of white flowers; its red fall fruits carrying well into winter.
2 to 3 feet—\$0.80 each; \$7.00 per 10.
3 to 4 feet—1.00 each; 9.00 per 10.

NEW RED-LEAVED BARBERRY

Berberis Thunbergi Atropurpurea

A highly important introduction among shrubs, giving us for the first time a practical easily grown shrub of medium height, with good, distinctly red foliage. This must prove a boon to all types of landscaping, where studied contrasts are to be worked out with the shrub foliage depended on for colors. *Atropurpurea* is an exact reproduction of *Thunbergi* in every way—habit, leaf-formation and fruiting, but—whereas the original is a deep green from spring until fall, this variety starts off in its first foliage a warm bronzy red; the heat of summer intensifying its red brilliancy; autumn adding other tints to its richness. The abundant scarlet berries persist throughout winter along the spiny twigs. A sunny exposure is necessary to bring out and retain its full red color.

1 yr.—\$0.75 each; \$ 6.00 per 10; \$ 50.00 per 100.

2 yr.—1.00 each; 8.00 per 10; 75.00 per 100.

3 yr.—2.00 each; 15.00 per 10; 125.00 per 100.

BERBERIS THUNBERGI. (Japan Barberry.)

There is no shrub in existence so generally planted or more practical for all purposes where beautiful foliage effect is desired, than this. It is dwarf growing, uniformly bushy and rounded in form, susceptible to formal pruning, with small, numerous leaves densely covering the thorny twigs. These give it paramount importance for use as a filler, and edging for shrubbery groups; as a foundation screen in front of porches; and, above all,



as a compact, impassable, hardy, low hedge for confining lawns or dividing properties. Although variable in accordance with seasonable conditions, the foliage is scarlet or bronze and the branches are studded with crimson fruits in autumn.

	Per 10	Per 100	Per 1,000
12 to 18 inches.....	\$2.00	\$15.00	\$140.00
18 to 24 inches.....	3.00	25.00	200.00
24 to 30 inches.....	4.00	35.00	300.00

BOX-BARBERRY. An improved *Thunbergi* type, inheriting the barberry hardiness, and in every other way desirable like its parent; but with foliage so round and dense, and growth so evenly compact, it bears a striking resemblance to Boxwood. Slower and lower growing than *Thunbergi*, its density allows closer trimming; so that—again like Boxwood—sheared specimens may be trained into perfect globes or pyramids, as well as the cropped hedge.

2 yr. 10 to 12 in.—50 cts; \$4.50 per 10; \$40 per 100.

BUDDLEIA ("Butterfly Bush," "Summer Lilac"). Of quick bushy growth; when the lovely bloom-spikes appear in July, the shrub, which had probably died down nearly to the ground during winter, is now a perfect, well-branched specimen of about 5 feet; radiating a delightful perfume and glowing with the tints of the Spring Lilacs.

—**Magnifica.** This variety is one of the hardiest for all sections. Flower spikes 10 inches in length by 3 inches in diameter are not unusual. Color deep violet-rose, with a pronounced orange center; the margins of petals neatly reflexed. 1 yr.—20 cts.; \$1.80 per 10. 2 yr.—50 cts.; \$4.00 per 10.

—**Farquhari.** Rather dwarf, compact growth; with numerous medium sized flower spikes, rich lilac purple. (See illustration on inside back cover.) 1 yr. (Mail size)—20 cts.; \$1.80 per 10. 2 yr.—50 cts.; \$4.00 per 10.

CALLICARPA PURPUREA. A pretty shrub from 1 to 4 feet high, more at home south of the Ohio, but practical in the North if given a sheltered position and winter protection. It blooms profusely during August with small axillary clusters of pink flowers, these followed by berry bunches colored a light violet. If top should freeze, young shoots will come up and flower and fruit the next season. 2 to 2½ feet—60 cts. each; \$5.00 per 10



Buddleia Magnifica

Everybody admires the Butterfly Bush—we have a fine supply.

CALYCANTHUS. (Carolina All-spice.) A unique shrub growing upright to 6 feet, clothing its straight strong, reddish brown shoots with large glossy leaves, from the axils of which spring odd, double, spicily fragrant flowers of chocolate-red. Mail size—20 cts.

15 to 18 in.—60 cts. each; \$5.00 per 10.

CARYOPTERIS MASTACANTHUS. (Blue Spirea.) A fine shrubby border plant growing about 3 feet high; from September until frost, covered full length of the stems with attractive umbels of lavender blue. Not entirely hardy in the north and should be heavily protected. Mail size—20 cts.; \$1.80 per 10.

Strong 2-year plants—40 cts. each; \$3.50 per 10.

CEPHALANTHUS OCCIDENTALIS. (Button Bush.) Forms a dense rounded bush 4 to 6 feet high, especially adapted to damp locations; in July covered with large, fragrant, ball shaped greenish white flowers.

18 to 24 in.—60 cts. each; \$5.00 per 10.

2 to 3 ft.—75 cts. each; 6.50 per 10.

CLETHRA ALNIFOLIA. (Sweet Pepper Bush.) A handsome little shrub, delightfully fragrant in August and September when covered with long, showy wands of creamy white flowers. It is valuable for the front of the border, as it grows only 3 to 5 feet tall, and on account of its pleasing scent, is very popular beneath the house windows. 18 to 24 in.—80 cts. each; \$7.00 per 10.

COLUTEA ARBORESCENS. (Bladder Senna.) Fast growing shrub attaining 15 feet in height, preferring a dry, sunny location. Foliage Acacia-like, flowers pea-shaped in long racemes, yellow and cinnabar-red, followed by red bladder-shaped seed pods. 2 to 3 feet—60 cts. each; \$5.00 per 10.

COMPTONIA ASPLENIFOLIA. (Sweet Fern.) A dwarf native shrub useful to cover banks and dry, sandy or stony soil. The bushes are much branched and twiggy, with fern-like, scented foliage. Brownish flower heads and clusters of slen-



Cornus Elegantissima Variegata

der, inch-long catkins at ends of branchlets, keep them interesting at all times.

18 to 24 in.—75 cts. each; \$6.50 per 10.

CORNUS—Dogwood. Mainly valuable for their brilliancy of bark and berries, and the handsome variegations of their foliage. All varieties do well in shade. The autumn fruits call in a welcome assemblage of birds; and the tangled mass of highly colored twigs enlivens the prevailing somberness of shrubbery in winter.

—**Elegantissima Variegata.** Grows 8 to 10 feet high, with purplish red branches and beautiful silver variegated foliage. This is one of the choicest variegated leaved shrubs, capable of refined compact shape by pruning; of value both summer and winter.

18 to 24 in.—75 cts. each; \$6.50 per 10.

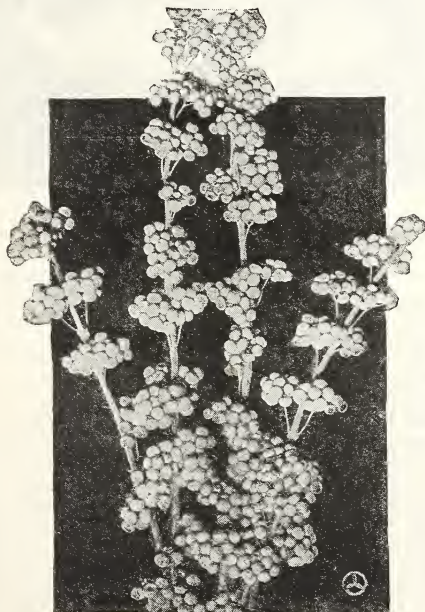
2 to 3 ft.—85 cts. each; 7.50 per 10.

—**Lutea.** A striking yellow branched form of *Stolonifera*, very satisfactory for contrasting.

2 to 3 feet—60 cts. each; \$5.00 per 10.

—**Spaethi Aurea.** Leaves broadly margined yellow; of branchy, spreading habit.

2 to 3 feet—85 cts.; \$7.50 per 10.



Callicarpa Purpurea



Cornus Paniculata

This Catalog is the only agent we employ.



CORNUS—Continued

- Paniculata.** (Gray Dogwood.) Grows 6 to 15 feet, but usually compact; showing a profusion of good sized white flowers in June. Berries white, on noticeable red stems. Bark and under-side of leaves gray. 2 to 3 feet—60 cts. each; \$5.00 per 10.
- Sericea.** (Silky Dogwood.) Usually dwarf growing with silky leaves, and dense cymes of greenish white flowers in early summer. Bark purplish, fruits black. 3 to 4 feet—70 cts. each; \$6.00 per 10.
- Sibirica.** Grows 6 to 10 feet high, with clusters of fine white flowers, succeeded by a fall crop of ornamental berries; stem and branches blood red. 2 to 3 feet—60 cts. each; \$5.00 per 10. 3 to 4 feet—75 cts. each; \$6.50 per 10.
- Stolonifera.** (Red Ozier Cornel.) Medium sized and spreading, dark red bark and white flowers, berries white. 2 to 3 feet—60 cts. each; \$5.00 per 10. 3 to 4 feet—75 cts. each; \$6.50 per 10.

COTONEASTER

A class of handsome fruiting shrubs with brilliant autumn foliage and vivid fruits which adapt them to rockery and wall adornment, as well as to any usage in well drained soil with plenty of sunlight. **All field grown plants, shipped "balled and burlapped."**

Applanata. (6 ft.) Bushy; slender, arching stems; fruit bright red.

2 to 3 feet—\$1.50 each; \$14.00 per 10.

3 to 4 feet—1.75 each; 16.50 per 10.

Divaricata. (6 ft.) Oval, lustrous, fall crimsoning leaves. Fruits bright red.

18 to 24 in.—\$1.50 each; \$14.00 per 10.

2 to 3 ft.—1.75 each; 16.50 per 10.

3 to 4 ft.—2.00 each; 19.00 per 10.

Horizontalis. Densely spreading, horizontal branches. Shiny oval leaves; persisting scarlet fruits. 12 to 15 inches—\$1.50 each; \$14.00 per 10. 15 to 18 inches—\$2.00 each; \$19.00 per 10.

Nepalensis. (6 ft.) Erect; with oblong acute leaves, dull green above, light green beneath, quite hairy. Flesh-white flowers in nodding cymes; fruits deep scarlet.

2 to 3 feet—\$1.25 each; \$11.50 per 10.

Nitens. Related to *Divaricata*, and similar, with broadly oval lustrous leaves; but differing in the pendulous fruit which is purplish black. 2 to 3 feet—\$1.50 each; \$14.00 per 10.

CYDONIA JAPONICA. (Japan Quince.) Very early in spring this fine old shrub is completely covered with dazzling scarlet flowers; followed by small, quince-shaped fruits which are quite fragrant. Growth bushy with protecting thorns. 18 to 24 in.—60 cts.; \$5.00 per 10; \$40.00 per 100.

DESMODIUM PENDULIFLORUM. (Lespedeza Sieboldi.) A fine half-shrub, the long canes of each season's growth usually winter-killed. The stools become stronger, throwing up more shoots and forming a thick shrub 3 to 5 feet high, in showy late summer bloom. Arched branches, and long, close, drooping racemes of purple-magenta flowers. 2 yr. plants—60 cts. each; \$5.00 per 10. Mail size—25 cts.

ELDER. See *Sambucus*, pages 14 and 15.

EXOCHORDA GRANDIFLORA. (Pearl Bush.) It grows vigorously to a height of 6 to 10 feet. The early buds look like pearls strung on slender threads, May opening them up to long, gleaming sprays of pure white.

2 to 3 feet—70 cts. each; \$6.00 per 10.

3 to 4 feet—80 cts. each; 7.00 per 10.

4 to 5 feet—\$1.00 each.



Deutzia Crenata Fl. Pl.

DEUTZIA

Shrubs which vary considerably in height and habit, but bloom alike in dainty bell or tassel-shaped flowers, borne thickly in wreaths along their branches in June.

Candidissima. Double pure white flowers.

Crenata. Tall, distinct type; single white.

Crenata, fl. pl. Double white, tinged pink.

Crenata Rosea. A strong pink suffusion.

Watereri. Large pink, flat flowers in loose racemes.

Above 5 Sorts:

2 to 3 feet—60 cts.; \$5.00 per 10; \$45.00 per 100.

3 to 4 feet—70 cts.; 6.00 per 10; 55.00 per 100.

Gracilis. (Slender Branched.) Dwarf growing, dense, bushy, its drooping branches wreathed with pure white flowers in May. Also valuable for winter blooming in pots. Mail size—20 cts. each. 12 to 15 in.—50 cts.; \$4.00 per 10. 15 to 18 in.—60 cts.; \$5.00 per 10. 18 to 24 in.—70 cts.; \$6.50 per 10.

The planting plans in this section were made by a well known landscape architect.

DEUTZIA—Continued

—**Boule de Nieve.** Dwarf growth but large flowered; creamy white bloom fairly crowding the upper branches.

18 to 24 inches—60 cts. each; \$5.00 per 10.

—**Eburnea.** A strong growing, free-branching Crenata. The single flowers are large, white and produced in graceful clusters.

2 to 3 feet—85 cts. each; \$7.50 per 10.

—**Lemoinei.** Medium large flowers of pure white borne in cone-shaped heads. Mail size—25 cts. each. 15 to 18 in.—50 cts. each; \$4.00 per 10. 18 to 24 in.—60 cts. each; \$5.00 per 10. 2 to 3 ft.—80 cts. each; \$7.00 per 10.

—**Magnificata.** Of the Crenata type; erect panicles double flowered, a mass of pure white bloom in June. This is one of the handsomest and most conspicuous of all. 2 to 3 feet—80 cts. each; \$7.00 per 10.

—**Pride of Rochester.** Grows 6 to 8 feet high; and blooms in May before the others. Flowers large and free, double, white. Mail size—25 cts. each. 2 to 3 feet—60 cts. each; \$5.00 per 10. 3 to 4 feet—75 cts. each; \$6.50 per 10.

—**Venusta.** Leaves rough, flowers campanulate, in numerous panicles, filaments slightly toothed; pure white. 2 to 3 feet—60 cts. each; \$5.00 per 10.

FORSYTHIA (Golden Bell)**Golden Bell**

These splendid old shrubs, growing 8 to 10 feet tall eventually, light up the garden with glinting masses of yellow, very early in spring before leaves appear. The upright forms make excellent tall hedges, and are bright-hued fillers for massed shrub groups; the matted branches of yellowish green quite attractive in winter.

—**Intermedia.** The earliest blooming; the long canes drooping so as to make a solid bank of bright green foliage.

—**Viridissima.** Twisted flowers. Not dependable

for hardiness in northern latitudes.

—**Fortunei.** The most upright in growth, and consequently oftenest used in the back row of groups.

Above 3 Forsythia

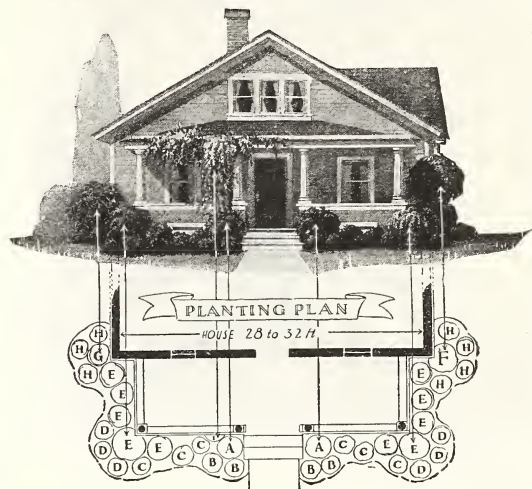
2 to 3 feet—60 cts. each; \$5.00 per 10.

3 to 4 feet—70 cts. each; 6.00 per 10.

Mail size—20 cts. each; \$1.80 per 10.

—**Suspensa.** Slender, limply drooping branches strung with bright rosettes of yellow bloom and shiny leaves. These are airily graceful, swaying loose from trellis top or garden wall; or mingle pleasingly with the trailing growth of Honeysuckle, Wichuriana roses and other ground covering vines. 2 to 3 feet—70 cts. each; \$6.50 per 10. 3 to 4 feet—80 cts. each; \$7.00 per 10.

FRINGE, Purple (Smoke Tree). *Rhus Cotinus.* A conspicuous spreading shrub or small tree with large clusterly round leaves; overhung in midsummer by mist-like clouds of tiny flowers. These billowing panicles are a light lavender when fresh, very persistent, and give the impression of smoke at a distance—2 to 3 ft.—80 cts. each; \$7.00 per 10.

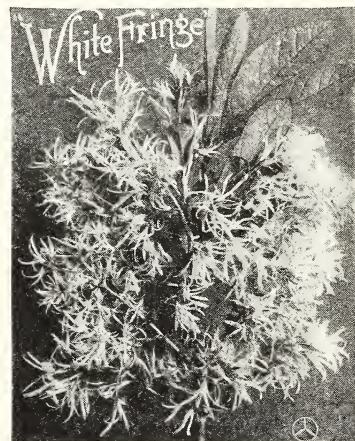
FOUNDATION PLAN No. 1

Key	No.	Name	Catalog Price
A	2	Spirea Van Houtte, 2-3 ft.....	\$ 1.00
B	4	Spirea Frobeli, 1½-2 ft.....	2.80
C	6	Hydrangea P. G., 1½-2 ft.....	3.00
D	6	Japanese Barberry, 12-18 in.....	1.20
E	10	Forsythia, 2 varieties, 2-3 ft.....	5.00
F	1	Bush Honeysuckle, 3-4 ft.....	.70
G	1	Philadelphus Coronarius, 3-4 ft.....	.70
H	7	Symphoricarpos Racemosus, 2-3 ft.....	4.20
I	1	Clematis Paniculata (Vine), 2 yr.....	.40

Regular values\$19.00

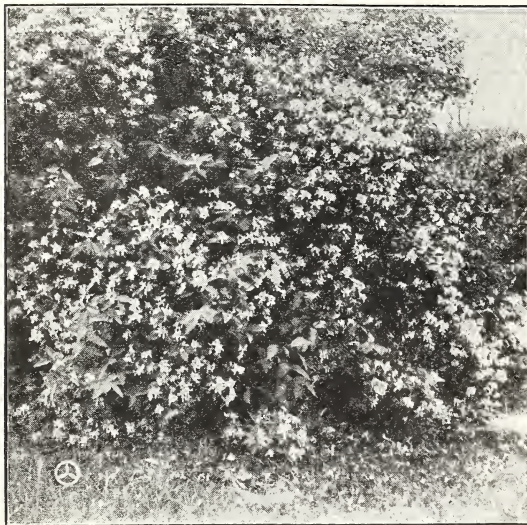
OUR SPECIAL PRICE.....\$18.00

—**White.** *Chionanthus Virginica.* A very showy shrub, growing to large size; with large leathery, shiny leaves, and lace-like white flowers borne in gracefully drooping panicles. Although tree-like in character, the branches and heavy foliage are usually well furnished close to the ground, making a broad and rounded bush of noble proportions. 2 to 3 feet—85 cts. each; \$7.50 per 10.



HALESIA TETRAPTERA (Silver Bell Tree). A neat and pretty little tree, with large, dark green leaves. May be grown as a shrub. In May while the leaves are yet small, its branches are hung thickly with small white or pinkish drooping bells about 1 inch long. These are followed by large and curious winged seeds which impart to it a strangely ornamental effect. 2 to 3 ft.—60 cts. each; \$5.00 per 10. 3 to 4 ft.—80 cts. each; \$7.00 per 10.

Forsythia is the first shrub to bloom in the springtime.



A bush of Honeysuckle *Grandiflora Rosea*

BUSH HONEYSUCKLES

Lonicera. The upright Honeysuckles have bright, pretty flowers followed by showy berries that last through the fall. Make very desirable bulky screening hedges, and the nucleus of tall shrub groups.

Bella Albida. A handsome hybrid of strong growth. Flowers white, in great fragrant clusters, followed by attractive ropes of red berries. Mail size, 25 cts.

Bella Candida. Tall growing; white flowers and plentiful red berries.

Bella Rosea. Like the type, but flowers tinted pale rose pink.

2 to 3 feet—60 cts. each; \$5.00 per 10.

3 to 4 feet—70 cts. each; 6.00 per 10.

Fragrantissima. Early pink and white flowers are sweetly fragrant, and foliage remains until late in winter, if somewhat sheltered.

2 to 3 feet—60 cts. each; \$5.00 per 10.

3 to 4 feet—70 cts. each; 6.00 per 10.

Grandiflora Rosea. (Pink Tartarian). Bright pink flowers in abundance, and very fresh, rounded foliage; one of the most noticeable.

Mail size—25 cts. each.

2 to 3 feet—70 cts.; \$6.00 per 10.

3 to 4 feet—80 cts.; 7.00 per 10.

Korolkovi (Blue Leaf Hskl.).

Small, narrow but numerous bluish green leaves on slender arching stems. The flowers are a pretty light pink, followed by bright red fruits; one of the most attractive.

1½ to 2 ft.—80 cts.; \$7.00 per 10.

Morrowi (Japanese Bush Honeysuckle). A spreading variety growing 4 to 6 feet, with early creamy white flowers, followed by pretty red berries. Mail size—20 cts. each.

2 to 3 feet—60 cts.; \$5.00 per 10.

3 to 4 feet—70 cts.; 6.00 per 10.

Ruprechtiana. A new early flowering variety with showy white flowers, well set with bright red berries in June.

2 to 3 feet—60 cts. each; \$5.00 per 10.

3 to 4 feet—70 cts. each; 6.00 per 10.

Tartarica Rubra. Sturdy upright growth; flowers light crimson; fruit bright red.

2 to 3 feet—70 cts. each; \$6.00 per 10.

3 to 4 feet—80 cts. each; 7.00 per 10.

Tartarica Alba. Flowers bluish white.

2 to 3 feet—60 cts. each; \$5.00 per 10.

3 to 4 feet—70 cts. each; \$6.00 per 10.

HYDRANGEA

The massiveness of bloom on these valuable shrubs and their long blooming season, assures them a place in every grouping where solid white effects are required.

Arborescens Grandiflora ("Hills of Snow"). The flowers are, in a large way, similar to the familiar "Snowball" in appearance; conspicuously white and imposing. July to September. By cutting back to the crown each spring, the bushes may be kept round and dense at a normal height of 3 to 5 feet. They are excellent for solid low borders or in foundation plantings which will allow for about four feet.

18 to 24 in.—75 cts. each; \$6.50 per 10.

2 to 3 ft.—85 cts. each; 7.50 per 10.

Mail size—25 cts. each; \$2.00 per 10.

Paniculata Grandiflora. Fine tall hedges, or if planted in rich soil and **severely pruned every spring** before the leaf buds open, will get to be very dense, dwarf clumps of compact form, wonderfully attractive when laden with their massive white plumes. Large beds, kept at a uniform development, are extremely showy; first snowy white, then pink, then reddish bronze and green. August till autumn. Planted rather well back in the intervals between other shrubs, the projecting flower wands arching from the ground are extremely conspicuous and effective.

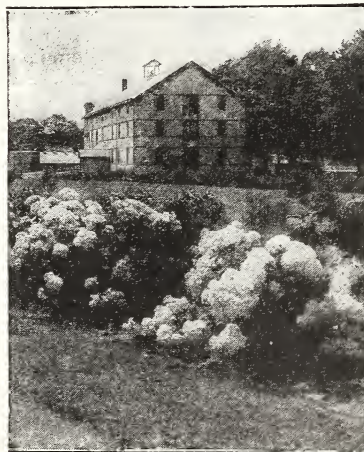
18 to 24 in.—60 cts. each; \$5.00 per 10.

2 to 3 ft.—75 cts. each; 6.50 per 10.

Mail size—25 cts. each; \$2.00 per 10.

—**Tree Shaped.** Very desirable in this form, in formal lines and backgrounds, or solitary.

3 to 4 feet—\$1.25 each; \$11.00 per 10.



Hydrangea "Hills of Snow"



Hydrangea P. G.

Hydrangeas are the showiest bloomers of all the shrubs.

HYPERICUM. (Gold Flower.) Attractive, useful, fairly hardy types for dwarf and medium location in shrub groups and foundation plantings. Their dense, rounded construction of fine twigs and small, usually shiny leaves are well adapted to this purpose; with abundant fully distributed yellow bloom.

—**Aureum.** 3 ft. Woody, stiff, dense, top often globular like a little tree. Leaves leathery, bluish green. Flowers in cymes, yellow with golden filaments at center.

1½ to 2 feet—60 cts. each; \$5.00 per 10.

—**Henryi.** A spreading, somewhat procumbent shrub with smooth, purplish, arching branches; quite vigorous and hardy. Yellow flowers 2 to 2½ inches across.

2 year—60 cts. each; \$5.00 per 10.

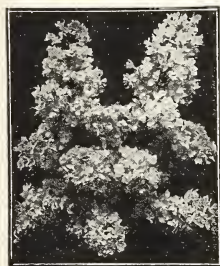
ILEX VERTICILLATA. (Black Alder or Winterberry.) Although its small June flowers are numerous and foliage darkly lustrous, the sparkling masses of crimson fruits which appear in October represent its greatest charm and carry its value far into Winter.

1½ to 2 feet—\$1.00 each; \$8.50 per 10.

KERRIA JAPONICA FL. PL. (Double Japan Corchorus.) A very bright and cheerful dwarf shrub. Its very numerous branches are graceful, slender, shiny, arching; its leaves serrated; stems and foliage alike a brilliant green. Its abundant double flowers like half opened rose buds, rich yellow. Suitable and very desirable for sheltered foundation planting.

2 to 3 feet—75 cts. each; \$6.50 per 10.

LILACS (*Syringa*)



Lilacs

Common Purple. Most suitable for tall hedges.

2 to 3 feet—60 cts. each; \$5.00 per 10.

3 to 4 feet—70 cts. each; \$6.00 per 10.

Mail size—20 cts. each; \$1.80 per 10.

Common White. Taller and more slender than the purple flowered.

2 to 3 feet—\$1.00 each; \$9.00 per 10.

Persian Purple. Dwarf growing with slender branches

and narrow leaves; a choice foundation subject.

2 to 3 feet—75 cts. each; \$6.50 per 10.

Rothomagensis (Rouen Lilac.) Grows 10 to 12 feet high; immense reddish-purple panicles in May.

2 to 3 feet—75 cts. each; \$6.50 per 10.

3 to 4 feet—85 cts. each; 7.50 per 10.

Villosa. Dwarf growth, broad leaved; pinkish lilac flowers in long loose panicles. Mail size—25 cts.

2 to 3 feet—75 cts. each; \$6.50 per 10.

3 to 4 feet—85 cts. each; 7.50 per 10.

French Named Lilacs

Perfected flower types in size, form, freedom and color. These hybrids give a vast amount of fragrant spring bloom, in varied shades. The growth is comparatively short and stocky, easily trained into round-headed small tree formation—in fact most of ours are tree form.

—**Alphonse Laval** (D). Broad panicles, violet blue.

—**Belle de Nancy** (D). Great panicles of satiny rose, with a center almost white.

—**Charles Joly** (D). Rather low in growth. Compact flower heads very rich, violet and wine purple.

—**Congo.** Single. Dark reddish purple. Very attractive.

—**Gloire de Lorraine.** Single. Splendid large trusses; crimson pink in the bud, opening out to clear mauve. Dwarf growing.

—**La Tour d'Auvergne** (D). Of notable strong growth; flowers large, violet purple.

—**Mad. Abel Chatenay** (D.) Beautiful globular buds like Lily-of-the-Valley, reluctantly opening up, but eventually a massive truss; snow white.

—**Michael Buchner** (D). Dwarf and stocky. Delicately beautiful trusses of pale lilac color.

—**Mme. Lemoine** (D). Pure white.

—**Monument Carnot.** Semi-double, opening wide. Large florets and panicles of pale lilac.

—**Negro.** Single. Loosely built, long panicles with deep tube and wide bells; heavy violet overcast with wine red; one of the darkest colored.

—**Obelisque** (D). Full, compact clusters; the globular buds opening prettily; pure white.

—**President Grevy** (D). Slender tube and scapes of rosy mauve, the open face a prettily contrasting shade of bright blue.

—**Souv. de Ludwig Spaeth.** Single. Darkest of the blues—a deep purplish shade—in long panicles.

—**Vivian-Morel** (D). Intermingled blue and white petals, reverse deep purplish rose.

2 to 3 feet—\$1.00 each; \$ 9.00 per 10.

3 to 4 feet—1.25 each; 11.50 per 10.

PHOTINIA VILLOSA. Of varying height but normally medium, liberally set with small corymbs of white flowers in June. The foliage is gorgeously red in the fall; and the bird-proof fruit-clusters carry the same scarlet gleam half through winter.

2 to 3 feet—75 cts. each; \$6.50 per 10.

3 to 4 feet—85 cts. each; 7.50 per 10.

POTENTILLA FRUTICOSA. (Shrubby Cinquefoil.) A bright flowered little shrub that thrives in moist places where many others refuse to grow. Of upright growth; with narrow, compound, silky foliage, and bright yellow flowers from mid-summer until frost.

18 to 24 inches—60 cts. each; \$5.00 per 10.

PRUNUS Pissardi (Purple leaved Plum.) A distinct and handsome little tree, covered with a mass of small, white, single flowers in spring; later, with showy pinkish purple leaves that deepen in color.

2 to 3 feet—\$0.70 each; \$6.00 per 10.

3 to 4 feet— .85 each; 7.50 per 10.

4 to 5 feet— 1.00 each; 9.00 per 10.

—**Triloba** (Double Flowered Plum). A charming shrub of vigorous growth. Very early in spring, before its leaves appear, the whole tree is decked in a fleecy cloud of very double light pink blossoms. Its effect on a still leafless landscape is very bright. 2 to 3 feet—\$1.00 each; \$9.00 per 10.

3 to 4 feet—\$1.25 each; \$11.50 per 10.



Gloire de Lorraine

No home grounds are complete without Lilacs.



PHILADELPHUS (Mock Orange)

One of the best shrubs, the taller growing sorts largely used for hedges. The flowers are very profuse; white with a rich creamy tinge imparted by the golden stamens.

Albatre. Has very showy, dense panicles of white, double flowers. Plant is bushy, of medium height—developing to 4 to 5 feet in course of time. 2 to 3 ft.—75 cts. each; \$6.50 per 10.

Dame Blanche. Semi-double flowers of creamy white, produced in greatest profusion. Grows not much over 4 feet; and is in all respects a satisfactory shrub for either specimen use or in medium grouping. 18 to 24 inches—60 cts. each; \$5.00 per 10. 24 to 30 inches—70 cts. each; \$6.00 per 10.

Favorite. Large single flowers—3 inches wide. —pure white with a bunch of golden stamens; erect growth and glossy foliage. 18 to 24 inches—70 cts. each; \$6.00 per 10.

Glacier. This variety is one of the very best and most valuable of the many new kinds. The flowers are a wonderfully attractive type; double, rich cream color, produced in thick clusters of six or seven, giving the effect of one enormous double flower. Matures to a height of 5 feet. 2 to 3 feet—75 cts. each; \$6.50 per 10.

Norma. Matures to 8 feet or more; strong growing. The flowers are of great individual size, single, assembled in good sized sprays; glossy white. 2 to 3 feet—70 cts. each; \$6.00 per 10.

Ophelia. Long, gracefully arched branches, laden with a profusion of fragrant single or semi-double white flowers. 18 to 24 inches—70 cts. each; \$6.00 per 10.

Romeo. The flowers are pretty and distinct, being a creamy white with a small purple blotch. Of medium growth, maturing to 5 to 7 feet. 24 to 30 inches—85 cts. each; \$7.50 per 10.

Virginalis. A magnificent new variety. Moderately tall, with good foliage and compact habit. The flowers are the largest, handsomest, and most sweetly fragrant of any known variety, with longest blooming season. 1½ to 2 feet—\$0.70 each; \$6.00 per 10. 2 to 3 feet—.85 each; 7.50 per 10. 3 to 4 feet—1.25 each; 10.00 per 10. Mail size—25 cts. each; \$2.00 per 10.

GENERAL COLLECTION

Aureus (Golden Syringa). Valuable for contrastive grouping, and the best golden leaved shrub. 12 to 15 inches—75 cts. each; \$6.50 per 10. 15 to 18 inches—85 cts. each; 7.50 per 10.

Coronarius (Garland Syringa). A fine old form, 8 to 10 feet tall, that blooms in May with large white, delightfully scented sprays.

Grandiflorus. Tall. Very large flowers in June.

Gordonianus. Tall. Most late bloomer. July.

Above three sorts:

2 to 3 feet—\$0.60 each; \$5.00 per 10.

3 to 4 feet—.70 each; 6.00 per 10.

4 to 5 feet—1.00 each; 9.00 per 10.

Bouquet Blanc. Close set bunches of double flowers. 2 to 3 feet—50 cts. each; \$4.00 per 10.

Flore-pleno. Beautiful semi-double white flowers. 1½ to 2 feet—50 cts. each; \$4.00 per 10. 2 to 3 feet—60 cts. each; 5.00 per 10.

Lemoinei Erectus. Erect growing with fine foliage, flowers in June. 1½ to 2 feet—70 cts. each; \$6.00 per 10. 2 to 3 feet—80 cts. each; \$7.00 per 10.

Manteau d'Hermine. Very dwarf, slender stemmed and small leaved; of upright, dense growth suitable for the foreground of larger shrub types and as a border plant. The pretty white flowers are small, but numerous. 18 to 24 in.—70 cts. each; \$6.50 per 10. 2 to 3 ft.—85 cts. each; \$7.50 per 10.

Mont Blanc. Fragrant and free; medium size flowers, on slender upright branches; tall. 1½ to 2 feet—75 cts. each; \$6.50 per 10.

MODERN MOCK ORANGE

An introductory collection of new Philadelphus

Aureus—"Golden Syringa"	18 to 24 in.	\$0.85
Bouquet Blanc—flower wands.....	18 to 24 in.	.50
Glacier—double, snow white.....	18 to 24 in.	.70
Norma—single, tall	18 to 24 in.	.60
Ophelia—crinkly, double	18 to 24 in.	.70
Romeo—purple eyed	18 to 24 in.	.75
Virginalis—sweetest of all.....	18 to 24 in.	.75

This Set of \$4⁴⁰
7 for

\$4.85



The mock orange fragrance is delightful.

PRIVET—The Ideal Plant for HEDGES

And Backgrounds

Besides being one of our best hedge plants, the various species of Privet form interesting groups on the lawn, and make richly green foliage backgrounds against foundation walls. They are almost evergreen, of dense, compact habit; useful in shaded places. To plant a single row, set them about 12 inches apart; for a double row, about 18 inches apart each way and alternately.

PRIVET (*Ligustrum*)

Amoor River (*L. Amurense*). A very hardy northern grown type, vigorously upright and tall growing. The leaves are dark green, somewhat lustrous, tardily deciduous. Makes a strong, bold hedge with quite conspicuous bloom in erect white panicles.

California (*L. Ovalifolium*). Quick growing, straight, densely clothed shoots; the foliage in precise arrangement, a dark shiny green. The handsomest and most generally used of the entire group for hedging, clipped specimens, or for massing; but unfortunately not reliably hardy in the northern section.

English (*L. Vulgaris*). An old time garden type of informal habit. Gray-green bark and foliage, with white flowers and shining black berries.

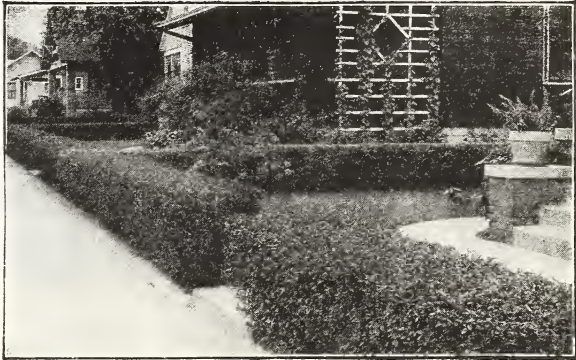
Japanese (*L. Ibo*). Makes up into striking tall clumps, or informal screening hedges, with widespread curving branches; very vigorous and hardy. The foliage is grayish green; showy, fragrant white flower plumes in June, followed by persisting blue-black berries.

Ibodium. A recently introduced hybrid of *Ibo* and *Ovalifolium*, expressing the best qualities of each. It is remarkably sturdy and cold-resistant, having attained several feet of uninjured, densely bushy growth upon the storm lashed banks of a light-house island in northern Lake Michigan. Its foliage is lustrous and quite similar to the favorite California variety; with erectly branching habit and quick, substantial development. These qualities should revolutionize the selection and use of Privets in the colder sections of the world.

Lodense. Another outstanding new development in Privets, which converts the beautiful foliage and twig formation of *Ovalifolium*, into a slow-growing densely compact dwarf bush which can be used without shearing, for very low hedges and borders. It can be planted close and kept clipped down like Boxwood (which it resembles), but is even more attractive and useful spaced for individual rounded clumps. Although widely distributed for testing, supply is still comparatively limited.

Regel's (*L. Regelianum*.) A strong, very hardy type, with dark and shiny leaves. The numerous branches are stiff, twiggy and horizontally spreading, gracefully drooping at the ends. Makes a naturally wide, dense bush particularly adaptable to foundation plantings.

Variegated. Similar in type of leaf and growth to the California, but of less ruggedness and quick habit. Instead of the conventional smooth green,



Privet Makes an Excellent Hedge

Price of Privet.....	Each	10	100	1000
Amurense .....18 to 24 in.	\$1.60	\$12.00	\$100.00
Amurense 2 to 3 ft.	2.00	16.00	140.00
California .....15 to 18 in.	1.00	6.00	50.00
California .....18 to 24 in.	1.20	8.00	65.00
California 2 to 3 ft.	1.50	10.00	90.00
English (<i>L. Vulgaris</i>)				
..... 2 to 3 ft.	1.20	8.00	.....
..... 3 to 4 ft.	2.00	16.00	.....
Ibodium .....18 to 24 in.	1.60	12.00	100.00
Ibodium 2 to 3 ft.	2.00	16.00	140.00
Ibo .....18 to 24 in.	1.60	12.00	100.00
Ibo 2 to 3 ft.	2.00	16.00	140.00
Lodense, 2 yr., 9 to 12 in.	2.00	16.00	.....
Regel's .....15 to 18 in.	2.50	20.00	175.00
Regel's .....18 to 24 in.	3.50	30.00	250.00
Regel's 2 to 3 ft.	4.50	40.00	300.00
Variegated .....12 to 15 in. 40 cts.	3.50	30.00	.....
Variegated .....15 to 18 in. 45 cts.	4.00	35.00	.....
Variegated .....18 to 24 in. 60 cts.	5.50	50.00	.....

this novel variety is creamy white over two-thirds of the leaf. May be used to advantage either in hedge rows or as a bright variegation in groups with other shrubs.

Other Plants for Hedges

Informal Lines—Not Clipped

	Planting Interval
Berberis Thunbergi	1 -1½ ft.
Privets—in variety	1 -1½ ft.
Altheas—in variety	2 -2½ ft.
Buckthorn	1½ ft.
Crataegus Crus-galli	2 ft.
Indian Currant	2 -2½ ft.
Mock Orange—in variety	2 -2½ ft.
Dwarf Spireas—in variety	1½-2 ft.
Spirea Van Houtte	1½-2 ft.

Clipped—Formal Design

Berberis Thunbergi	12-15 in.
Box-Barberry	10-12 in.
Dwarf Box	6 in.
Tree Box	10 in.
California Privet	8-12 in.
Regel's Privet	12-15 in.
Euonymus Radicans—in variety	8-12 in.

Other shrubs and various Evergreen types are used with fine effect, but these greatly increase the expense of first cost, and maintenance.

Plant a hedge where you would like a fence.



Buckthorn Hedge



Snowberries

RHAMNUS Catharticus (Buckthorn). A dense twiggy bush, 6 to 10 feet high, with dark foliage relieved by masses of attractive white flowers in June and July. Makes a good, prunable hedge. 2 to 3 feet—40 cts.; \$3.50 per 10; \$25.00 per 100. 3 to 4 feet—50 cts.; \$4.00 per 10; \$35.00 per 100.

—**Frangula**. A large shrub with numerous leafy branches. Leaves dark green, paler beneath, fading with tones of yellow, orange and red. Berries change from red to black in September. 2 to 3 feet—50 cts.; \$4.00 per 10; \$35.00 per 100. 3 to 4 feet—60 cts.; 5.00 per 10; 45.00 per 100.

RHODOTYPOS KERRIOIDES (White Kerria). An attractive shrub 3 to 6 feet high, with beautiful yellowish green, corrugated foliage and large, single white flowers late in May, black seeds following. 2 to 3 feet—75 cts. each; \$6.50 per 10.

RHUS (Sumac). Picturesque, gnarly, wind-bent rows of Sumac blazing redly in autumn, are familiar landmarks in every country side.

—**Copallina** (Shining Sumac). Tall growing; foliage glossy. Blooms late, with terminal flowers of greenish white in dense panicles. Fruit large, deep crimson. Foliage colors beautifully in fall. 2 to 3 feet—65 cts.; \$6.00 per 10.

—**Glabra** (Smooth Sumac). Grows to a small tree with beautiful leaves which color brightly in Autumn; flowers in July followed by crimson or brown fruits. 3 to 4 ft.—60 cts. each; \$5.00 per 10.



—**Typhina**. (Stag Horn Sumac.) Picturesque and rugged in all stages of development to its small-tree maturity of about 30 feet. Its flowers are borne during June and July in dense terminal panicles, followed by impressive red fruits. 3 to 4 feet—60 cts. each; \$5.00 per 10. 4 to 5 feet—70 cts. each; 6.00 per 10.

—**Typhina Laciniata**. (Cut-leaved Staghorn Sumac). The flowers are borne during June and July in dense terminal panicles, followed by impressive red fruits. Its leaves are deeply cleft, which, if bush is pruned to induce considerable bottom growth, mingles the various angled fronds in a delightful "ferny" effect. 2 to 3 feet—65 cts. each; \$5.50 per 10. 3 to 4 feet—75 cts. each; 6.50 per 10.

SYMPHORICARPOS. 3 to 5 feet. Highly valued for use in densely shaded situations.

—**Snowberry** (*S. Racemosus*). Inconspicuous, rose colored flowers in June and July; followed by large clustered, milk white fruits which remain far into winter. The combination of pink flowers and white berries on the same twig is charming. Foliage is rounded, clean and fresh looking, a glaucous green. 2 to 3 feet—70 cts.; \$6.00 per 10. 3 to 4 feet—80 cts.; 7.00 per 10.

—**Indian Currant** (*S. Vulgaris*). Similar to the Snowberry except that its fruits are dull red, and that the smaller berries cluster in thick ropes along the weighted-down stems. The foliage is small, close-set and dark, which with the uniform spread of its branches, compares favorably with the Privets in mass effect. 2 to 3 feet—60 cts.; \$5.00 per 10. 3 to 4 feet—75 cts.; 6.00 per 10.

SAMBUCUS (Elder). Coarse growing berried shrubs chiefly grown for their beautiful leaves.

—**Acutiloba**. (Cut-leaved Elder.) Great handsome cymes of delicate, white, fragrant flowers in June and July, followed by large clusters of fruit. 2 to 3 feet—60 cts.; \$5.00 per 10. 3 to 4 feet—70 cts.; 6.00 per 10.

—**Aurea**. (Golden Elder.) Its golden yellow leaves contrast beautifully with the other shrubs. Flowers white, in flat topped cymes. Grows naturally 10 to 15 feet, but can be pruned into a neat, compact little bush. 2 to 3 feet—60 cts.; \$5.00 per 10. 3 to 4 feet—75 cts.; 7.00 per 10.

SAMBUCUS (Elder)—Continued.

- Canadensis.** (American Elder.) Immense flat topped cymes of white flowers in early summer; followed in August and September by luscious black fruits—the source of Mother's "Elderberry pie."
2 to 3 feet—50 cts. each; \$4.00 per 10.
3 to 4 feet—60 cts. each; 5.00 per 10.
- Tenuifolia.** (Fringed Leaf Elder.) A distinct type with deeply cleft foliage.
2 to 3 feet—65 cts. each; \$5.50 per 10.
3 to 4 feet—75 cts. each; 6.50 per 10.
- Variegata.** Tall, vigorous, black fruited; its conspicuous leaves quaintly mottled with white and yellow.
2 to 3 feet—60 cts. each; \$5.00 per 10.

SPIREA

All the Spireas bloom with a riotous extravagance; style, color and habits of growth differing so markedly that a collection of varieties will insure bloom the entire season and still evade repetition.

DWARF FORMS

Anthony Waterer. Dwarf, bushy, of spreading type, with large corymbs brilliantly colored rosy crimson. Very free flowering, at its best in late summer. This is one of the few good showy red flowered shrubs sufficiently dwarf to be used in foundation plantings or the low front row of shrub groups.

15 to 18 in.—60 cts.; \$5.00 per 10; \$40.00 per 100.
18 to 24 in.—75 cts.; 6.50 per 10; 55.00 per 100.

Callosa Alba. Large flat clusters of white flowers nearly all summer, foliage and growth like above.
15 to 18 inches—60 cts. each; \$5.00 per 10.
18 to 24 inches—75 cts. each; 6.50 per 10.

Froebeli. Dwarf, and similar to A. Waterer, but a trifle taller, with broader leaves. Bright crimson flowers in dense corymbs during July and August.
1½ to 2 feet—70 cts. each; \$6.00 per 10.
2 to 3 feet—80 cts. each; 7.50 per 10.

Wallufi. Blooms in the same broad, graceful panicles, and has the same habit of growth as Anthony Waterer, but retains its depth of color longer, remaining red until flower is old and turns brown.

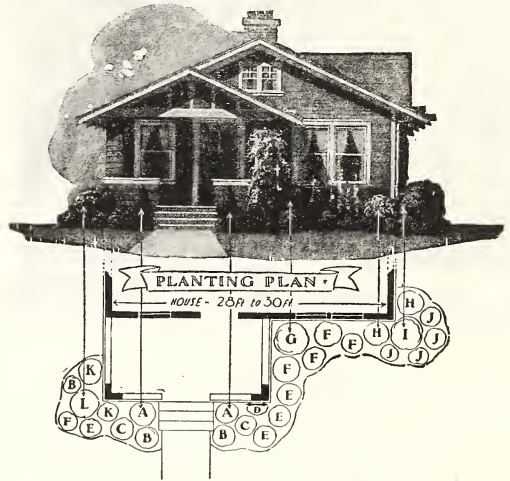
15 to 18 inches—60 cts. each; \$5.00 per 10.
18 to 24 inches—75 cts. each; 6.50 per 10.



Spirea Anthony Waterer

FOUNDATION PLAN NO. 2

For Old and New Homes



Key	No.	Name	Catalog Price
A	2	Arbovitae pyramidalis, 2-2½ feet.	\$ 6.50
B	3	Japanese Barberry, 12-18 inches....	.60
C	2	Spirea Callosa alba, 15-18 inches....	1.20
D	1	Climbing Rose .....	.80
E	4	Spirea Froebeli, 1½-2 feet.....	2.80
F	5	Hydrangea P. G., 18-24 inches.....	2.50
G	1	Forsythia intermedia, 2-3 feet.....	.60
H	2	Spirea Van Houtte, 2-3 feet.....	1.00
I	1	Spirea aurea, 3-4 feet.....	.70
J	4	Snowberry, 2-3 feet	2.80
K	2	Philadelphus, 2-3 feet	1.20
L	1	Deutzia (crenata type), 3-4 feet....	.70

Regular value\$21.40

OUR SPECIAL PRICE....\$20.00

TALLER SORTS

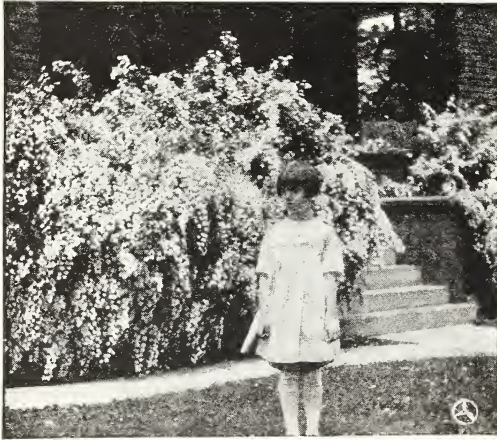
Arguta Multiflora (Snow Garland). A slender, upright shrub, 3 to 5 feet high, with branches a snowy mass of clear white flowers in early May.
2 to 3 feet—65 cts. each; \$5.50 per 10.
3 to 4 feet—75 cts. each; 6.50 per 10.

Billiardi. Has dense spikes of rose-pink flowers that crown sparsely twigged, erect branches. For shrubby groups, natural plantings and moist places. July to September. 3 to 6 feet.
18 to 24 in.—50 cts. each; \$4.00 per 10.
2 to 3 ft.—60 cts. each; 5.00 per 10.

Douglasi. Upright in growth to 7 feet, with reddish brown branches and narrow, oblong leaves. Bears spikes of beautiful deep rose-colored flowers in July.
2 to 3 feet—50 cts. each; \$4.00 per 10.
3 to 4 feet—60 cts. each; 5.00 per 10.

Margaritae. A handsome, very free flowering type of medium height up to five feet; in bloom during July and August, with rather large, bright pink flowers in broad corymbs; and elliptic, serrated leaves at times tinged with purple.
1½ to 2 feet—50 cts. each; \$4.00 per 10.
2 to 3 feet—60 cts. each; 5.00 per 10.

This catalog is the only agent we employ.

*Spirea Van Houtte***SPIREA (Taller Sorts)—Continued**

Opulifolia. Growth upright, attaining 8 to 10 feet, although the heavy white flower umbels in June make the branches droop; old flower heads turn to dark red, making a striking variety of colors.
2 to 3 feet—50 cts. each; \$4.00 per 10.
3 to 4 feet—60 cts. each; 5.00 per 10.

Opulifolia Aurea (Golden Spirea). Of similar habit to above, with young foliage of bright yellow changing to golden bronze in the fall.
2 to 3 feet—60 cts. each; \$5.00 per 10.
3 to 4 feet—70 cts. each; 6.00 per 10.

Prunifolia fl. pl. (Bridal Wreath). Plum leaved foliage turning in autumn to very brilliant red. Earliest of the Spireas to bloom, with small double white clustered flowers. Medium growth, compactly upright.
1½ to 2 feet—60 cts. each; \$5.00 per 10.
2 to 3 feet—75 cts. each; 6.50 per 10.

Reevesiana fl. pl. Slender, drooping branches in a charming round bush seldom above four feet. Compact umbels of very double creamy white flowers appear in May and June.
2 to 3 feet—50 cts. each; \$4.00 per 10.
3 to 4 feet—60 cts. each; 5.00 per 10.

Regelianum. About 4 feet growth; foliage irregular, bark striped; blooms July-August, in broad pink corymbs.
2 to 3 feet—65 cts. each.

Salicifolia (Willow Leaved Spirea). Grows to 5 feet. The willow-like foliage is quite shiny and attractive. Crowded panicles of pink flowers in mid-summer.
2 to 3 feet—60 cts. each; \$5.00 per 10.
3 to 4 feet—75 cts. each; 6.50 per 10.

Thunbergi. Forms a dense, fluffy bush, 3 to 5 feet high; the feathery foliage, which is a peculiar but pleasing shade of yellowish green, changes in autumn to bright red and orange.
18 to 24 inches—70 cts. each; \$6.00 per 10.
24 to 30 inches—80 cts. each; 7.00 per 10.

Tomentosa (Hardhack). A valuable late blooming sort (July-September) averaging about 4 feet in height; flowers of deep rose, or even purple, in dense, slender, feathery panicles.
1½ to 2 feet—50 cts. each; \$4.00 per 10.
2 to 3 feet—60 cts. each; 5.00 per 10.

Van Houtte. Grandest of Spireas, one of the best of shrubs; complete fountain of pure white bloom in May and June. The foliage and bush shape is ornamental the year round.
18 to 24 inches (2 year)—30 cts. each; \$2.00 per 10.
2 to 3 feet—50 cts.; \$4.00 per 10; \$30.00 per 100.
3 to 4 feet—60 cts.; 5.00 per 10; 40.00 per 100.

TAMARIX

Tall growing shrubs, 8 to 12 feet high, with fine feathery foliage like that of the Juniper. Splendid for seaside planting, but also good in dry sand. The first four varieties, being slender, should be grouped about 2 feet apart.

Africana. Very graceful shrub with feathery foliage and long, slender racemes of pink flowers in early summer. Very striking at the edge of an evergreen border.

Gallica. Slender, spreading branches, the leaves dull bluish green. Buds are globose, the flowers flesh white in delicately paniced racemes. May-July. (2 to 3 feet only.)

Indica. A form of above, with more upright branches; dull green leaves; and longer racemes of pink flowers.

Purpurea. First to bloom, in short dense racemes of nearly white flowers, on last year's black wood.

Above { 2 to 3 feet—50 cts. each; \$4.00 per 10.

Kinds { 3 to 4 feet—60 cts. each; 5.00 per 10.

Odessana (Caspian Tamarix). 4 to 6 feet, bushy. Exquisitely feathered foliage of silvery green, blooming in July and August with large loose panicles of lavender-pink flowers.
2 to 3 feet—60 cts. each \$5.00 per 10.
3 to 4 feet—70 cts. each; 6.00 per 10.

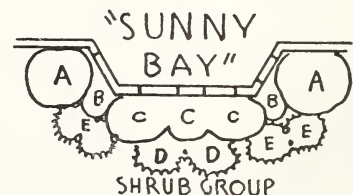
VIBURNUM

Americanum. (High Bush Cranberry.) Similar to Opulus, but more open and spreading, with longer, more numerous, more visible and longer lasting fruits. Broad flower corymbs with usually only the outer fringe fully opened. Fruits bright scarlet, persisting from July until spring, mainly because the birds won't eat them.

1½ to 2 feet—60 cts. each; \$5.00 per 10.

2 to 3 feet—70 cts. each; 6.00 per 10.

3 to 4 feet—80 cts. each; 7.50 per 10.

HELPFUL PLAN No. 3

Key	No.	
A	2	Forsythia Intermedia. 2 to 3 feet.
B	2	Desmodium. 2 year.
C	3	Deutzia Lemoinei. 18 to 24 inches.
D	2	Red Barberry. 1 year.
E	4	Barberry Thunberge. 12 to 18 inches.

Complete Planting 13 Plants in all
BY EXPRESS.....\$6.00

Our landscape plans apply to old homes as well as new.

*Viburnum Carlesii***VIBURNUM—Continued**

Carlesii. A valuable recent introduction from Korea, producing its delicate, spice-scented flowers in May and June. The buds before expanding are an attractive pink, developing into Bouvardia-like umbels of pure white. Flowers preserve their perfect form and purity of color an unusually long time.
12 to 15 inches—\$2.00 each; \$18.50 per 10.

Dentatum. (Arrow-wood.) 8 to 12 feet. Bright green, heart-shaped leaves turning to purple and red. May and June flowers of creamy white.
2 to 3 feet—60 cts. each; \$5.00 per 10.
3 to 4 feet—75 cts. each; 6.50 per 10.
4 to 5 feet—85 cts. each; 7.50 per 10.

Lantana. (Wayfaring Tree.) 10 to 15 feet. Beautiful wrinkled, Lantana-like leaves; white flowers in May and June. Fruits color unequally from crimson to black.
2 to 3 feet—70 cts. each; \$6.00 per 10.
3 to 4 feet—80 cts. each; 7.00 per 10.

Lentago. (Sheepberry.) Grows to be a small tree 30 feet high. Flowers white in pretty cymes during May and June; fruit large oval, blue-black.
2 to 3 feet—60 cts. each; \$5.00 per 10.
3 to 4 feet—75 cts. each; 6.50 per 10.

Opulus. (European Cranberry.) 8 to 10 feet. Handsome, dense, brilliant green foliage; a rich setting for large bunches of crimson berries which persist on otherwise bare branches throughout winter.
1½ to 2 feet—70 cts. each; \$6.00 per 10.
2 to 3 feet—80 cts. each; 7.00 per 10.

Opulus Nanum. A very dwarf, compact, rounded shrub, with darkly lustrous, irregular leaves, and reddish twigs. It bears no flowers, but is very valuable for low edging in lieu of the less hardy Boxwood.
6 to 8 inch plants—50 cts. each; \$4.00 per 10.

Plicatum. (Japan Snowball.) Erect, compact, growing 6 to 8 feet. Purple tinted foliage of beautiful pattern, spangled with perfect ovoid corymbs of purest white, in June.
18 to 24 inches—75 cts. each; \$6.50 per 10.
24 to 30 inches—85 cts. each; 7.50 per 10.

Sterilis. ("Snowball" or Guelder Rose.) The common Snowball which helps out so bravely for Decoration Day, with its lovely white bloom.
18 to 24 in.—70 cts. each; \$6.00 per 10.
2 to 3 ft.—90 cts. each; 8.00 per 10.

Tomentosum. A single flowered form of the Japan Snowball, blooming in large flat umbel-like cymes with marginal white flowers in May. Bush broad and symmetrical, with corrugated bronze-green foliage, purple hued beneath. Fruits red, changing to blue-black.
18 to 24 in.—75 cts. each; \$6.50 per 10.
2 to 3 ft.—85 cts. each; 7.50 per 10.

WEIGELA—Diervilla

Coarse, thrifty shrubs for medium and back rows up to 8 feet, their delightful blooming period ranging from May into July. The flowers are stemless bells strung along the arching canes in clustered profusion.

Candida. 4 to 6 feet; a choice variety blooming in profusion during June and to some extent all summer. Pure white.

2 to 3 feet—65 cts. each; \$5.50 per 10.

Desboisi. One of the darkest and best of the rose colored sorts.

2 to 3 feet—55 cts. each; \$4.50 per 10.

3 to 4 feet—65 cts. each; 5.50 per 10.

Eva Rathke. The most distinct and one of the most attractive varieties; flowers deep carmine red.

1½ to 2 feet—\$0.60 each; \$5.00 per 10.

2 to 3 feet—.80 each; 7.00 per 10.

3 to 4 feet—1.00 each; 9.00 per 10.

Hendersoni. One of the strongest growing varieties with large flowers of deep rose.

2 to 3 feet—60 cts. each; \$5.00 per 10.

3 to 4 feet—70 cts. each; 6.00 per 10.

Rosea. Most popular of all; tall growing, vigorous, with deep pink flowers in the greatest profusion during June. Mail size—20 cts. each; \$1.80 per 10.

2 to 3 feet—60 cts. each; \$5.00 per 10.

3 to 4 feet—70 cts. each; 6.00 per 10.

Rosea Nana Variegata. Leaves broadly margined creamy white; flowers pink. Dwarf; one of the most useful and choice variegated leaved shrubs.
1½ to 2 feet—60 cts. each; \$5.00 per 10.

2 to 3 feet—75 cts. each; 6.50 per 10.

Sessilifolia. Good sized cymes in dense terminal panicles, the yellow tube quite striking. Medium height, but stocky.

1½ to 2 feet—65 cts. each; \$5.50 per 10.

2 to 3 feet—80 cts. each; 7.00 per 10.

Van Houtte. Flowers broad and flat, deep rosy red with orange markings in the throat.

2 to 3 feet—60 cts. each; \$5.00 per 10.

3 to 4 feet—70 cts. each; 6.00 per 10.

*Weigela*

You will find everything for yard and garden in this one catalog.

HARDY ORNAMENTAL VINES

Add Beauty and Charm

Except noted, all vines offered are 2 years old. Except noted, the each rate is alike for Mail or Express; 10 or 100 rate by Express

AKEBIA Quinata. A perfectly hardy, fast growing Japan vine, with magnificent foliage never attacked by insects; producing chocolate purple flowers in large clusters, possessing a most delicious perfume. 2 year—60 cts. each; \$5.00 per 10.

AMPELOPSIS Veitchi. (Boston Ivy.) This is one of the finest hardy climbers we have for covering walls, as it clings firmly to the smoothest surface, covering closely with overlapping foliage, giving appearance of shingles. The color is a fresh deep green in summer, changing to the brightest shades of crimson and yellow in autumn. 2 year—50 cts. each; \$4.50 per 10.

1 year—10 to 12 inch tops, 20 cts. each; \$1.50 per 10.

—Quinquefolia. (American Ivy, Virginia Creeper, etc.) Deeply cut leaves which turn to a beautiful crimson in fall; fine for covering trees, rocky slopes, walls, etc. 2 year—50 cts. each; \$4.00 per 10.

—Englemanni. Similar to above, but with smaller denser foliage. 2 year—50 cts. each; \$4.00 per 10.

ARISTOLOCHIA Siph. (Dutchman's Pipe.) Although the brownish, pipe-shaped flowers are interesting, the immense heart-shaped leaves are the important feature, furnishing as they do the most complete screening leafage of any cultivated trellis vine. Of thrifty growth, uniform, shingle-like arrangement and dependable hardiness, they serve conspicuously for shade or ornament, in either sun or shade. 3 year—\$1.00 each; \$9.00 per 10.

BIGNONIA Radicans. (Trumpet Flower.) A robust woody vine; twining tightly with numerous roots along stems. Its orange scarlet, trumpet-shaped flowers cluster at tip of branches. Leaves light green. Will climb to great heights on trunks of trees, and for every purpose is one of the best vines. 2 year—50 cts. each; \$4.00 per 10.

CLEMATIS. Grand for pillars and trellises, pegged down for bedding and for running over rockwork, old trees and stumps. They delight in rich soil, and sun.



Boston Ivy

LARGE FLOWERED CLEMATIS VARIETIES

—Henryi. Creamy white.

—Jackmani. Velvety, violet-purple.

—Mad. Ed. Andre. A distinct crimson red.

—Ramona. Deep sky blue.

2 year—\$1.00 each; \$9.00 per 10.

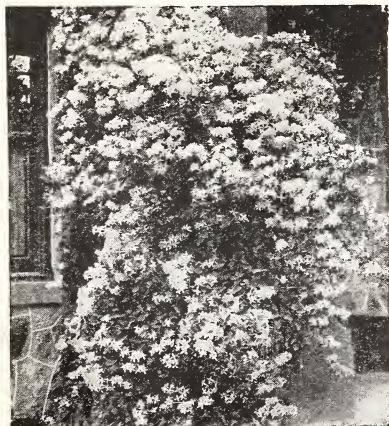
SMALL FLOWERED CLEMATIS VARIETIES

—Coccinea. A very handsome hardy climber, bearing small thick, bell-shaped flowers of bright coral-red, in wonderful profusion from June until frost. 2 year—50 cts. each; \$4.00 per 10.

—Paniculata. (Sweet-scented Japan Clematis.) The flowers are of medium size, fragrant, pure white, borne in immense sheets in September. 2 year—40 cts. each; \$3.50 per 10.

1 year—Mail size, 20 cts. each; 6 for \$1.00.

CELASTRUS Scandens. (Bittersweet.) Handsome glossy foliage and large clusters of beautiful, orange crimson fruits retained all winter. Its graceful sprays of berries make charming winter house decorations. A popular vine for covering rough fences. 2 year—50 cts. each; \$4.00 per 10. Mail size—20 cts. each.



Clematis Paniculata

VINES for COVERING BANKS and TERRACES

	Distance Apart to Set Plants
Ampelopsis Quinquefolia	4 to 5 feet
Bittersweet	4 to 5 feet
Honeysuckles—Halleana, etc.	4 to 5 feet
Matrimony Vine	5 to 6 feet
Rosa—Setigera, and Wichuriana type.....	4 to 5 feet

VINES for CLIMBING

	Distance Apart to Set Plants
On porch, trellis, fence or wall. Those types which cling to wood, stone, brick or stucco are designated by a star (*); the rest twine or need support.	
Akebia Quinata	6 to 10 feet
*Ampelopsis—in variety (Veitchii, 4 to 6 feet) (shade).....	6 to 10 feet
*Bignonia Radicans (Trumpet Vine).....	6 to 10 feet
Bittersweet (Celastrus Scandens).....	6 to 10 feet
Clematis—in variety	6 to 10 feet
Dutchman's Pipe (Aristolochia Siph) (shade).....	4 to 6 feet
*Euonymus Radicans—in variety.....	4 to 6 feet
Honeysuckles—in variety (Halleana in shade).....	8 to 10 feet
Kudzu Vine (Pueraria Thunbergiana).....	4 to 6 feet
Climbing Roses—in extensive variety.....	6 to 8 feet
Silver Lace Vine (Polygonum Auberti).....	4 to 8 feet
Wisterias—in variety	8 to 10 feet

We have over 1200 acres of nursery stock—think of that!

EUONYMUS Radicans.

One of the finest evergreen vines, with small, rich green foliage, and pink fruits. For covering rocky banks, rough walls, tree-trunks, etc., also for vases, baskets and borders of beds. Mail size—20 cts. each; 15 to 18 in. (bushy), 50 cts. each; \$4.00 per 10.

—**Variegata.** Foliage edged with creamy white, which takes on a pinkish tinge in winter.

12 to 15 inches—40 cts. each; \$3.50 per 10.

15 to 18 inches—60 cts. each; \$5.00 per 10.

KUDZU VINE.

Large foliage and dense shade, growing 50 feet in one

season. Flowers plentiful in August; rosy-purple, pea-shaped—in small racemes. A truly remarkable, handsome and serviceable porch vine wherever it is hardy enough to withstand the cold winters. Not reliably safe north of the Ohio river.

1 year—35 cts. each; \$3.00 per 10.

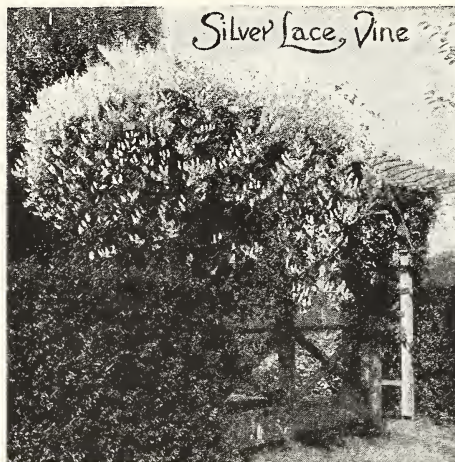
LONICERA. (Honeysuckle.) Their vining qualities are excellent, but the delightful fragrance of their flowers makes their strongest bid for favor.

—**Aurea Reticulata.** (Golden-Leaved Honeysuckle.) Flowers yellow and fragrant.

50 cts. each; \$4.00 per 10.

—**Belgica.** (Monthly Fragrant.) One of the prettiest, with numerous sprays of red and yellow. 60 cts. each; \$5.00 per 10.

—**Halleana.** (Hall's Honeysuckle.) Color, an intermingling of white and yellow; extremely fragrant and most satisfactory. Gets along fairly well in partial shade; and is used extensively as a ground cover. 50 cts. each; \$4.00 per 10. Mail size—20 cts. each.



—**Sempervirens.** (Scarlet Trumpet Hskl.) Trumpet-shaped flowers of bright scarlet.

60 cts. each; \$5.00 per 10.

LYCIUM CHINENSE.

(Chinese Matrimony

Vine.) A general utility hardy climbing vine that will overcome any obstacle to growth and flourish everywhere. Every new shoot produces handsome purple flowers and later a prodigious crop of scarlet berries nearly an inch long. Is a practical carpet vine and highly efficient as a bank retainer on reasonable slopes; each joint that presses into the soil taking firm hold and

establishing a colony of deep and spreading roots. 40 cts. each; \$3.50 per 10. Mail size—20 cts. each.

POLYGONUM AUBERTI. (Silver Lace Vine.)

This is the latest addition to our list of practical hardy vines, a quick-growing type of twining habit averaging 25 feet in a season. The small, cordate foliage is fresh and shiny, although the base of stalk becomes somewhat woody. Produces more bloom than any other hardy vine, covering a season extending from late summer into the fall with an extravagance of large, foamy sprays in silvery white. 2 yr. plants—75 cts. ea.; \$7.00 per 10.

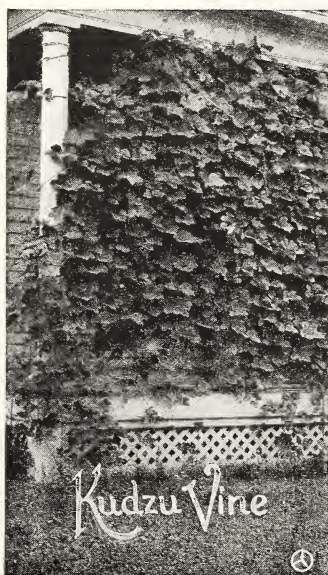
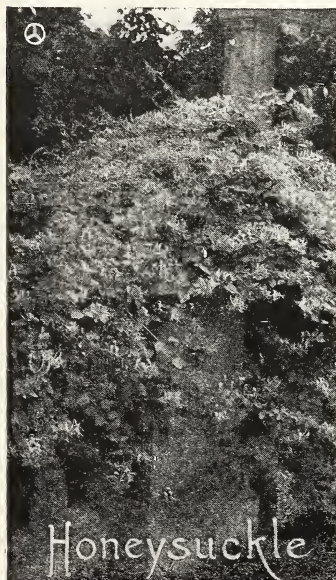
WISTERIA. One of the handsomest subjects for use on pergolas, porches and trellises; with attractive foliage and magnificent dense drooping clusters of pea-shaped flowers, crowning the top.

—**Sinensis.** Blue. Panicles about 12 inches long. 2 year, 75 cts.; \$6.50 per 10.

—**Alba.** White. 2 year—75 cts. each; \$6.50 per 10

—**Magnifica.** Lavender-purple.

2 year, 60 cts. each; \$5.00 per 10.



PRICE LIST of HARDY FIELD-GROWN ROSES

Also an index, giving page location, and the class to which each variety belongs.

Abbreviations: "H. T." means Hybrid Tea; "H. P." means Hybrid Perpetual; "H. C." means Hardy Climber; "Poly." means Polyantha; "Pern." means Pernetiana; "R. H." means Rugosa Hybrids; "W. H." means Wichuriana Hybrids; the "Wild" roses are cultivated plants of the native types; "Aus" means Austrian Briar.

2-Year Field Grown Roses				MAIL			EXPRESS		
VARIETIES	P.	Class		Ea.	10		Ea.	10	100
Agnes Emily Carman....	32	R.H.	\$0.80	\$ 7.50	\$0.75	\$ 7.00	\$65		
Alberic Barbier.....	30	H.C.	.85	8.00	.80	7.50	70		
Albertine.....	24	H.C.	1.25	12.00	1.20	11.50	70		
Alfred Colomb.....	28	H.P.	.90	8.50	.85	8.00	75		
American Pillar.....	30	H.C.	.80	7.50	.75	7.00	65		
Anna de Diesbach....	28	H.P.	.90	8.50	.85	8.00	75		
Anthony Waterer.....	32	R.H.	.80	7.50	.75	7.00	65		
Aviateur Bleriot.....	30	H.C.	.80	7.50	.75	7.00	65		
Baby Tausendschon....	29	Poly.	.85	8.00	.80	7.50	70		
Baron de Bonnsetten..	28	H.P.	.90	8.50	.85	8.00	75		
Baroness Rothschild..	28	H.P.	.90	8.50	.85	8.00	75		
Betty Uppichard.....	21	H.T.	1.25	12.00	1.20	11.50	70		
Blanche Moreau.....	31	Moss	.85	8.00	.80	7.50	70		
Captain Hayward.....	28	H.P.	.90	8.50	.85	8.00	75		
Captain Kilbie Stuart..	21	H.T.	1.25	12.00	1.20	11.50	70		
Carolina.....	33	Wild	.80	7.50	.75	7.00	65		
Chas. K. Douglas.....	24	H.T.	1.25	12.00	1.20	11.50	70		
Chas. Frederick Worth.	32	H.R.	.80	7.50	.75	7.00	65		
Chatillon.....	29	Poly.	.85	8.00	.80	7.50	70		
Climbing Am. Beauty..	30	H.C.	.80	7.50	.75	7.00	65		
Columbia.....	24	H.T.	1.00	9.50	.95	9.00	70		
Conrad Ferd. Meyer....	32	H.R.	.80	7.50	.75	7.00	65		
Constance.....	21	H.T.	1.25	12.00	1.20	11.50	70		
Couness of Murinais..	31	Moss	.85	8.00	.80	7.50	70		
Crested.....	31	Moss	.85	8.00	.80	7.50	70		
Crimson Baby Rambler.	29	Poly.	.85	8.00	.80	7.50	70		
Crimson Rambler.....	30	H.C.	.80	7.50	.75	7.00	65		
Deuil de Paul Fontaine.	31	Moss	.85	8.00	.80	7.50	70		
Diadem.....	21	H.T.	1.25	12.00	1.20	11.50	70		
Dorothy Perkins.....	30	H.C.	.80	7.50	.75	7.00	65		
Dr. Van Fleet.....	30	H.C.	.80	7.50	.75	7.00	65		
Duchess of Wellington.	24	H.T.	1.00	9.50	.95	9.00	70		
Duke of Ed'nburg.....	28	H.P.	.90	8.50	.85	8.00	75		
Earl Haig.....	21	H.T.	1.25	12.00	1.20	11.50	70		
Eblouissant.....	23	Poly.	.85	8.00	.80	7.50	70		
Ecarlate.....	24	H.T.	1.00	9.50	.95	9.00	70		
Edel.....	21	H.T.	1.25	12.00	1.20	11.50	70		
Edith Cavell.....	23	Poly.	1.00	9.50	.95	9.00	70		
Edward Mawley.....	24	H.T.	1.00	9.50	.95	9.00	70		
Eldorado.....	25	H.T.	1.50	14.00	1.40	13.00	70		
Ellen Poulsen.....	29	Poly.	.85	8.00	.80	7.50	70		
Elvira Aramayo.....	21	H.T.	1.25	12.00	1.20	11.50	70		
Emily Gray.....	24	H.C.	1.25	12.00	1.20	11.50	70		
Erna Teschenhoff.....	29	Poly.	.85	8.00	.80	7.50	70		
Etoile de France.....	25	H.T.	1.00	9.50	.95	9.00	70		
Eugene Furst.....	28	H.P.	.90	8.50	.85	8.00	75		
Eugene Jacquet.....	31	H.C.	.85	8.00	.80	7.50	70		
Evergreen Gem.....	32	W.H.	.85	8.00	.80	7.50	70		
Excelsa.....	31	H.C.	.80	7.50	.75	7.00	65		
F. J. Grootendorst....	32	R.H.	1.25	12.00	1.20	11.50	70		
Flower of Fairfield....	31	H.C.	.80	7.50	.75	7.00	65		
Francis Scott Key....	25	H.T.	1.00	9.50	.95	9.00	70		
Frank W. Dunlop.....	22	H.T.	1.00	9.50	.95	9.00	70		
Frau Karl Druschki....	28	H.P.	.90	8.50	.85	8.00	75		
Gardenia.....	32	W.H.	.85	8.00	.80	7.50	70		
Genl. Jacqueminot.....	27	H.P.	.90	8.50	.85	8.00	75		
Gen'l MacArthur.....	25	H.T.	1.00	9.50	.95	9.00	70		
Gen'l-Superior A. Janssen.	25	H.T.	1.00	9.50	.95	9.00	70		
George Arends.....	28	H.P.	.90	8.50	.85	8.00	75		
Geo. C. Waud.....	25	H.T.	1.00	9.50	.95	9.00	70		
Glory of Mosses.....	31	Moss	.85	8.00	.80	7.50	70		
Goldfinch.....	31	H.C.	.80	7.50	.75	7.00	65		
Grete Schreiber.....	29	Poly.	1.00	9.50	.95	9.00	85		
Gruss an Aachen.....	29	Poly.	1.00	9.50	.95	9.00	85		
Gruss an Teplitz.....	25	H.T.	1.00	9.50	.95	9.00	70		
Hansa.....	32	H.R.	.80	7.50	.75	7.00	65		
Harrison's Yellow.....	27	Aus.	.85	8.00	.80	7.50	70		
Helen Gould.....	25	H.T.	1.00	9.50	.95	9.00	70		
Henri Martin.....	31	Moss	.85	8.00	.80	7.50	70		
Hiawatha.....	31	H.C.	.80	7.50	.75	7.00	65		
Hugonis.....	33	Briar	1.00	9.50	.95	9.00	70		
Ideal.....	29	Poly.	.85	8.00	.80	7.50	70		
Indiana.....	25	H.T.	1.00	9.50	.95	9.00	70		
Jacotte.....	31	H.C.	1.00	9.50	.95	9.00	85		
Jonkheer J. L. Mock....	25	H.T.	1.00	9.50	.95	9.00	70		
John C. Mensing.....	22	H.T.	2.00	19.00	1.90	18.00	70		
John Hopper.....	28	H.P.	.90	8.50	.85	8.00	75		
Jubilee.....	28	H.P.	.90	8.50	.85	8.00	75		
Juliet.....	28	Pern.	1.00	9.50	.95	9.00	85		

2-Year Field Grown Roses				MAIL			EXPRESS		
VARIETIES	P.	Class		Ea.	10		Ea.	10	100
Kaiserin Augusta Victoria	25	H.T.	\$1.00	\$ 9.50	\$0.95	\$ 9.00	...		
Killarney.....	25	H.T.	1.00	9.50	.95	9.00	...		
Killarney Double White.	25	H.T.	1.00	9.50	.95	9.00	...		
Lady Hillingdon.....	26	H.T.	1.00	9.50	.95	9.00	...		
Lady Inchiquin.....	22	H.T.	1.25	12.00	1.20	11.50	...		
Lady Reading.....	23	Poly.	1.00	9.50	.95	9.00	\$85		
Lady Ursula.....	26	H.T.	1.00	9.50	.95	9.00	...		
Lafayette.....	29	Poly.	.85	8.00	.80	7.50	70		
LaFrance.....	26	H.T.	1.00	9.50	.95	9.00	...		
LaTosca.....	26	H.T.	1.00	9.50	.95	9.00	...		
Laurent Carle.....	26	H.T.	1.00	9.50	.95	9.00	...		
Los Angeles.....	26	H.T.	1.25	12.00	1.20	11.50	...		
Lulu.....	22	H.T.	1.25	12.00	1.20	11.50	...		
Luxembourg.....	31	Moss	.85	8.00	.80	7.50	...		
Luxemburg.....	25	H.T.	1.00	9.50	.95	9.00	...		
Madame Alexandre.....	22	H.T.	2.00	19.00	1.90	18.00	...		
Dreux.....	26	H.T.	1.00	9.50	.95	9.00	...		
Madame Butterfly.....	26	H.T.	1.00	9.50	.95	9.00	...		
Madame Caroline Testout	26	H.T.	1.00	9.50	.95	9.00	...		
Madame Edouard Herriot.	29	Pern.	1.00	9.50	.95	9.00	85		
Madame Geo. Bruant....	32	R.H.	.80	7.50	.75	7.00	65		
Magna Charta.....	28	H.P.	.90	8.50	.85	8.00	75		
Maman Cochet.....	26	H.T.	1.00	9.50	.95	9.00	...		
Mary Wallace.....	31	H.C.	1.00	9.50	.95	9.00	85		
Mermaid.....	24	H.C.	1.25	12.00	1.20	11.50	...		
Miss Cynthia Forde....	26	H.T.	1.00	9.50	.95	9.00	...		
Mrs. Aaron Ward.....	26	H.T.	1.00	9.50	.95	9.00	...		
Mrs. Beckwith.....	22	H.T.	1.00	9.50	.95	9.00	...		
Mrs. Chas. Bell.....	26	H.T.	1.00	9.50	.95	9.00	...		
Mrs. Chas. Russell.....	26	H.T.	1.00	9.50	.95	9.00	...		
Mrs. C. W. Thompson....	31	H.C.	.80	7.50	.75	7.00	65		
Mrs. J. C. Ainsworth....	22	H.T.	1.00	9.50	.95	9.00	...		
Mrs. J. H. Laing.....	28	H.P.	.90	8.50	.85	8.00	75		
Mrs. H. R. Darlington..	22	H.T.	1.00	9.50	.95	9.00	...		
Mrs. Prentiss Nichols..	23	H.T.	1.00	9.50	.95	9.00	...		
Mrs. Redford.....	23	H.T.	1.00	9.50	.95	9.00	...		
Mrs. Wakefield C. Miller.	26	H.T.	1.00	9.50	.95	9.00	...		
Multiflora Japonica....	33	Wild	.80	7.50	.75	7.00	65		
Orleans.....	29	Poly.	.85	8.00	.80	7.50	70		
Parfume de L'Hay.....	32	R.H.	.80	7.50	.75	7.00	65		
Paul Neyron.....	28	H.P.	.90	8.50	.85	8.00	75		
Paul's Scarlet Climber..	24	H.C.	.80	7.50	.75	7.00	...		
Persian Yellow.....	27	Aus.	.85	8.00	.80	7.50	70		
Premier.....	27	H.T.	1.00	9.50	.95	9.00	...		
Pres. Cherioux.....	23	H.T.	1.50	14.00	1.40	13.00	...		
Prince C. de Rohan....	28	H.P.	.90	8.50	.85	8.00	75		
Princess Juliana.....	23	Poly.	1.00	9.50	.95	9.00	85		
Radiance.....	27	H.T.	1.00	9.50	.95	9.00	...		
Red Orleans.....	29	Poly.	.85	8.00	.80	7.50	70		
Red Radiance.....	27	H.T.	1.00	9.50	.95	9.00	...		
Red Letter Day.....	27	H.T.	1.00	9.50	.95	9.00	...		
Rev. F. Page-Roberts..	23	H.T.	2.00	19.00	1.90	18.00	...		
Roserie.....	31	H.C.	.80	7.50	.75	7.00	65		
Rosa Rugosa Rubra....	32	R.H.	.80	7.50	.75	7.00	65		
Salet.....	31	Moss	.85	8.00	.80	7.50	...		
Sensation.....	27	H.T.	1.25	12.00	1.20	11.50	...		
Setigera.....	33	Wild	.80	7.50	.75	7.00	65		
Silver Moon.....	31	H.C.	.80	7.50	.75	7.00	65		
Soleil d'Or.....	29	Pern.	1.00	9.50	.95	9.00	85		
Souv. de C. Pernet.....	29	Pern.	1.00	9.50	.95	9.00	85		
Souv. de Geo. Beckwith.	29	Pern.	1.25	12.00	1.20	11.50	...		
Souv. de H. A. Verschuren.	23	H.T.	1.25	12.00	1.20	11.50	...		
Sunburst.....	27	H.T.	1.00	9.50	.95	9.00	...		
Sweetheart.....	32	W.H.	.85	8.00	.80	7.50	70		
Tausendschon.....	31	H.C.	.80	7.50	.75	7.00	65		
Templar.....									

ROSES: The Flower Everyone Loves

S. & H. Hardy Field-Grown Roses are Easy to Grow and Will Give You Bountiful Bloom



SO LONG as the Rose exists it will retain its dominant grip upon the affections and appreciation of the human race. We have developed the Rose as one of our leading specialties, annually devoting to the propagation and nurture of strong, hardy types, from 40 to 60 acres of the best rose soil out-doors.

Complying with the often expressed wishes of many patrons, who desire their Rose bushes cut back properly, all ready to plant, we furnish **all Dormant Bush Roses to you whether by mail or express, trimmed ready to plant.**

Planting. In preparing a Rose Bed, select a sunny location guarded from cold north winds, if possible. Dig out the beds to a depth of 2 or 3 feet; then refill to a level with the turf, with a mixture of soil and well rotted cow manure, making provision for good drainage if location is not naturally drained. Any good fertile soil will do, but part heavy clay is an advantage. Be very particular to press and tamp the soil firmly around the roots; and soak the bed thoroughly at the finish. The Everbloomers may be set 15 to 18 inches apart, the Hybrid Perpetuals about 2 feet.



The Charming New Edel Rose

NOVELTY ROSES of Proven Worth

(Prices given are for 1 plant, by mail. See page 20)

NEW HYBRID TEA ROSES

Betty Upchurch. One of those delightfully contrastive types: the outside a blend of deep toned carmine with coppery orange; the interior a delicate salmon pink. Strong garden variety, sweetly fragrant. \$1.25.

Capt. Kilbee-Stuart. Another fine new red —rich, glowing, velvety, crimson shaded scarlet. The petals are massive and numerous, in close formation. \$1.25.

Constance. Beautiful orange buds streaked crimson, which open into medium globular flowers of pure yellow. These keep well,

and the variety is quite satisfactory, but the bush requires liberal winter protection. \$1.25.

Diadem. A beautiful intermingling of various color tones; orange salmon, copper and yellow being overlaid on deepest crimson. The large, full, perfect flowers are sweetly scented, and plant growth extra vigorous. \$1.25.

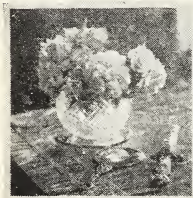
Earl Haig. A type rare among red roses, and so of obvious interest to the selective buyer. Outside of its fragrance, freedom and unfading cherry-crimson color, the thick rolling petalage, and permanent high-built center, fix its superiority over less compact varieties. A splendid associate with the white "Edel." \$1.25.

Edel. Surely best of all recently introduced whites, perhaps ever, in hybrid teas. The flowers are of noble size, deep, close-centered, with many petals; ivory at base but otherwise purest white, the broad roll of the edges frost like. One of the surest and most continuous bloomers, with satisfactory growth and foliage. \$1.25.

Elvira Aramayo. A flaming, arresting color newly applied to roses, as "Indian red." This seems to be a unique association of orange-carmine, with tones of madder, salmon and pink. The buds are long and pointed, plentiful, opening into large flowers of cactus shape with some quilled petals; a showy garden type, with straight stems and bushy growth. \$1.25.

THE S & H COMPANY COVER COLLECTION

of Choice Hybrid Tea Roses



Three distinct varieties of proven worth. These are recommended for continuous bloom in temperate zone.

1. **JOHN C. MENSING (H. T.)**
Bright Rose-Pink. Page 22.....\$2.00
2. **WM. F. DREER (H. T.)** Silvery
Shell-Pink. Page 27 1.00
3. **MAD. EDOUARD HERRIOT**
(Pern.) Shades of Coppery-Red.
Page 29..... 1.00

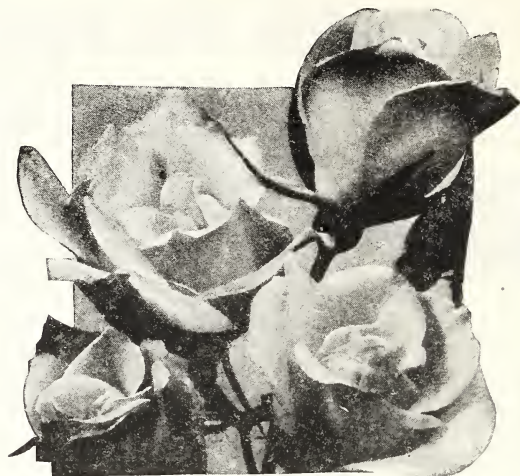
Catalog Price\$4.00

The three varieties (1 of each) \$3.50
By Mail (Postpaid)

We have an unusually fine supply of roses for this Spring's delivery.



John C. Mensing Rose



Rose Lulu

NOVELTY HYBRID TEA ROSES—Continued

Frank W. Dunlop. A tall growing bush with not much foliage but very free bloom; the buds and flowers being large, very double and highly perfumed; brilliant, deep rose pink. \$1.00.

John C. Mensing. A lovely shade of deep, bright rose pink, favoring the Ophelia type in construction and habit. An excellent forcing kind with long buds, perfect flowers and sweet fragrance. May be styled a "glorified" Mme. Butterfly. See illustration in color on front cover. \$2.00.

Lady Inchiquin. A vivid garden variety of solid color, orange vermilion brilliant by cerise. The flowers are somewhat open, with curled petals; but are large, very free and continuous. \$1.25.

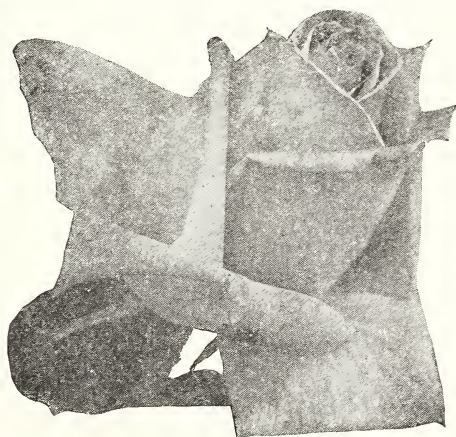
Lulu. Of particular value and beauty in bud form, they being abnormally long and substantial, with a swarthy orange red color. The flowers open up semi-double or single, brightened by an overflow of salmon-pink, the general effect reminding of Mme. E. Herriot. \$1.25.

Mme. Alexandre Dreux. An excellent golden yellow of deep tone, with full, shapely flowers on erect branches. \$2.00.

Mrs. Beckwith. Buttercup yellow, graduating lighter towards the edge. Good buds, and medium sized flowers of perfect form. Growth erect and thrifty, foliage glossy light green, and stems practically thornless. \$1.00.

Mrs. H. R. Darlington. Very shapely buds and flowers of large size and full petalage, waxy cream-white tintured with yellow at base, fragrant, free-blooming. Plant growth upright, branching and vigorous. \$1.00.

Mrs. J. C. Ainsworth. A counterpart in every way except color, to its famous parent "Mrs. Charles Russell." The buds are daintily pretty—warm peach blossom pink tipped mauve-white—the opened flowers revealing an almost crimson heart. \$1.00.



Elvira Aramayo (See Page 21)

"NOVELTY SIX" COLLECTION

of Choice New Hybrid Tea Roses

Chosen for artistic association, from the newer introductions in this class by rose-growers the world over. Old enough to have earned highest rank and favor with the up-to-date rose fanciers, yet so new, they come to the average garden as real novelties, and provide a welcome change from the so well-known charms of older sorts.

BETTY UPRICHARD, Page 21.....	\$1.25
EARL HAIG, Page 21.....	1.25
EDEL, Page 21.....	1.25
ELVIRA ARAMAYO, Page 21.....	1.25
MME. ALEXANDRE DREUX, Page 22.....	2.00
WILHELM KORDES, Page 23.....	2.00

Catalog Price\$9.00
THE COMPLETE SET OF 6 (1 of each)
BY EXPRESS (NOT PREPAID).....\$8.50

You can depend on our rose descriptions

HYBRID TEA NOVELTY ROSES—Concluded

Mrs. Prentiss Nichols. Exceptionally strong growing and sturdy, with dark, leathery foliage. The flowers are large, well-formed and double, borne profusely; brilliant, deep pink. \$1.00.

Mrs. Redford. This is a fine new rose, distinctive and desirable. Unusual varnished, healthy foliage; sturdy, upright growth; and profuse, fragrant bloom. The flower construction unites grace, beauty and substance, its coloring a radiant apricot-orange. \$1.00.

Pres. Cherioux. Very large, full, globular flowers borne freely on long stems, amidst attractive bronze green foliage. The rich, warm coloring is prawn-red deepening to coral-red at center, with a strong yellow glow at base of the petals. This is one of the most beautiful of Pernet-Ducher's very recent introductions. \$1.50.

Rev. F. Page-Roberts. A magnificent rose, the flowers of which are immense, fully double and very fragrant. The large coppery-red buds open into golden blossoms spotted with red on the outside. Plant and its foliage are very healthy and vigorous. A splendid bloomer in Autumn. \$2.00.

Souv. de H. A. Verschuren. An ideal bedding type of vigorous, branchy growth, free bloom, and strong resistance to mildew, black spot and other garden ailments. The buds are long and very pretty for cutting, opening out into very full double flowers of pleasing shape and substance. The color is two-toned yellow; apricot or cadmium at center, diminishing to saffron and straw color towards the edges. \$1.25.



Wilhelm Kordez. A magnificent product from crossing "Ophelia" with "Gorgeous"; the exquisite form and blooming character an augmented inheritance from the one, the voluptuous coloring attributable to the latter. The plant is healthy, with strong, straight shoots and gleaming masses of reddish leaves. The abundant bloom is golden yellow flushed with orange and copper-red, when fresh; but a veritable sunset at the close, with a broken background, and straggling rays of red. \$2.00.

NEW POLYANTHA ROSES for Bedding

Polyantha Roses are ideal for bordering beds, edging walks or for cemetery planting. They are hardy, low in growth, continuous bloomers, and once planted, increase in beauty yearly.

Eblouissant. This new clustered variety shows the darkest color of any yet produced; brilliant, deep, velvety red without fading, a solid one-color. The growth is vigorous and erect, although compact; the bloom of good size, of great freedom and persistence. 85 cents.

Edith Cavell. Strong growing and dependable, its compact clusters a flood of crimson, punctuated by distinct white eyes. \$1.00.

Lady Reading. The splendid forcing and bedding type so well known and appreciated in "Ellen Poulsen," is carried on in another shade by this new variety, with even larger and more perfect flowers, the color a strong unmixed, unfading cherry red. \$1.00.

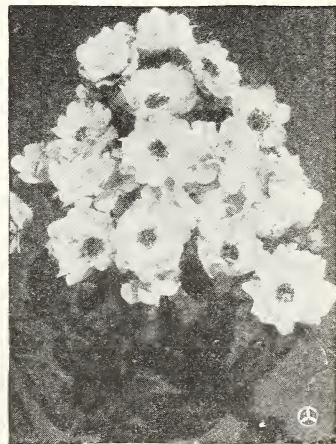


Lady Reading

Princess Juliana. This variety is brand new and a distinct sensation wherever exhibited. Outdoors, it is just another good, pretty pink and white dwarf bedder, of satisfactory habit and growth. But indoors, forced for sprays or for pot-bloom, its beauty is irresistible. A dainty combination of maiden blush, peach pink and ivory, the florets prettily waved and strung along the much-branched sprays in joyous abandon. \$1.00.

BUY WITH CONFIDENCE

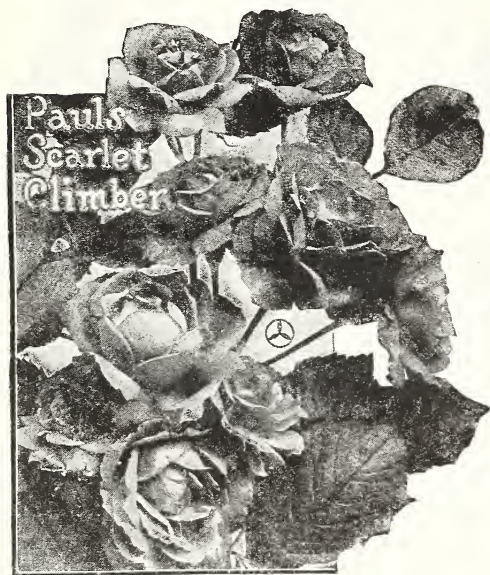
The Storrs & Harrison Company is the oldest departmental nursery in the U. S.



Princess Juliana

A border of Polyanthas in front of Hybrid Teas makes an ideal combination.

NEW HARDY CLIMBING ROSES



Albertine. A vigorous climber with glossy dark foliage, producing an abundance of sweetly scented, moderately double flowers about 4 inches in diameter. Their color is variable, in successive combinations of copper, chamois, salmon and pink; with a silvery overcast. \$1.25.

Emily Gray. Unique foliage, thick, dark and glossy, the youngest leaves and twigs bright crimson. A vigorous grower, producing normal clusters of 10 rather large flowers. The wonder of it, however, is its flower color; true, full yellow, strong in the bud, a shade or two lighter when full-bloom. Needs special protection in our latitude, against zero weather. \$1.25.

Mermaid. Actually a bracteata hybrid type, equally successful as a pillar rose, or trained into a door-yard bush. Its bloom is generous in quantity, intermittently continuous; single, 3 to 4 inches wide, pure sulphur yellow emphasized by the heavy protruding amber stamen-tufts at center. Needs special winter protection in this latitude. \$1.25.

Paul's Scarlet Climber. Winner of gold medal as best new climbing Rose, at National Rose Society's Exhibition. Flowers are scarlet, shaded crimson; large, semi-double. Corresponds with Cl. Am. Beauty, Dr. Van Fleet, etc., as to size, shape and habit. Blooms very long, holding its flower after many June bloomers have dropped their petals; a wonderful Rose for trellis or pergola use. 80 cts.

TEA and HYBRID TEA ^{Two-Year} Field Grown ROSES

General List of Old Time Favorites

A CAREFUL selection of choice, well known and new Garden Roses which, although classed as hardy, should be given winter protection in the North. These types are popularly termed "**Ever-blooming Roses.**" By this no one expects them to bloom continuously, but as compared with the Hybrid Perpetuals and other classes, their blooming activities extend over the longest period. As Garden Roses, they usually commence in June, continuing their bloom until Autumn frosts suspend the flow of sap. **The few Tea varieties are so noted.**

Price Price noted after variety is for 1 plant, by MAIL; EXPRESS price is 5 cts. less. 10 RATE is 5 cts. less in each case. See page 20 for complete price list.



Charles K. Douglas



Eldorado (Page 25)

Charles K. Douglas. An English rose of vigorous upright growth, and liberal, fragrant bloom which is of delightful form. Color, a flaming scarlet flushed with velvety crimson. \$1.25.

Columbia. A beautiful, true pink; deepening as it matures to a warm, glowing tone, which is enduring. Its double petalage, size and substance make it a great bedding and cutting rose. \$1.00.

Duchess of Wellington. Intense saffron yellow. Fine, strong-featured Rose familiarly called "Orange Killarney." \$1.00.

Ecarlate. Makes a brilliant color show throughout the entire season, as a bedder, with its masses of semi-double flowers in dazzling scarlet touched here and there with carmine. \$1.00.

Edward Mawley. Big deep-petaled flowers of strong fragrance, especially attractive early in the season; brilliant crimson. \$1.00.

This catalog is our only salesman.

HYBRID TEA ROSES—Continued

Eldorado. A strong, true yellow, even to the end, having diminished in strength uniformly, from first richness. The shade is that gleaming gold found in Marechal Neil, slightly reddened at base. Fully double and of pleasing form. \$1.50.

Etoile de France. Velvety garnet-red cup, with center of vivid cerise. Flowers very large and full, with marked imbrications. Fragrance and sturdy growth especially recommend it as a garden Rose. \$1.00.

Francis Scott Key. Red, shading to cerise; very large with a profusion of petals opening to a high center. A splendid forcing variety. \$1.00.

General MacArthur. Dazzling crimson scarlet exquisitely perfumed. One of the grandest red Roses ever offered, either for cutting or bedding. \$1.00.

General-Superior A. Janssen. Glowing, deep carmine-red; large, full, fragrant and continuous bloom coupled with vigorous and compact growth. \$1.00.

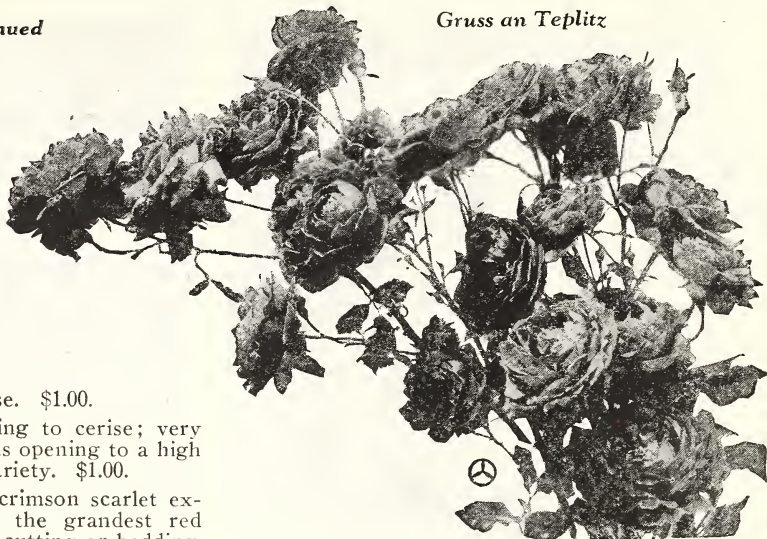
Geo. C. Waud. Of heavy substance and retained fullness, at its best in the earliest season and in autumn. Color is brilliant vermilion overcast by orange. \$1.00.

Gruss an Teplitz. Intense depth and richness of color; velvety crimson-red. Extremely free flowering, its flower brilliancy and reddish green stems and foliage making it one of the showiest garden types. \$1.00.

Helen Gould. A very beautiful rosy-pink, with long-pointed buds. \$1.00.

Indiana. Deep pink slightly tinged with orange; a delightful color tone expressed in shapely flowers of large size on vigorous plants. \$1.00.

Gruss an Teplitz



Jonkheer J. L. Mock. Vigorous in growth and hardy, with long smooth canes and great freedom of bloom. Flowers are round and full, bright pink faced carmine. A splendid bedder. \$1.00.

Kaiserin Augusta Victoria. Full double flowers; delicate creamy white; deliciously fragrant. \$1.00.

Killarney. Queen of the Irish Roses, of exquisite form and fragrance. Bright carmine-pink, marbled in creamy white, with petals large and durable, the buds extremely long. \$1.00.

Killarney, Double White. Improved strain of White Killarney with double flowers and greater substance. \$1.00.

Fertilizers for Roses

On page 140 we list good fertilizers for the rose bed, put up in convenient and desirable form. All roses respond with flowers to properly fertilized soil.



Columbia

THE FAVORITE DOZEN

Collection of Hybrid Tea Roses

The first ten varieties were elected (in consecutive order) by the American Rose Society's 1927 Referendum, representing the judgment of several hundred Rose Experts throughout the United States.

Radiance
Red Radiance
Ophelia
Souv. de Claudius Pernet
Los Angeles
Mme. Butterfly
Columbia

Mme. Edouard Herriot
Gruss an Teplitz
Kaiserin Augusta Victoria
Luxemburg (New Yellow)
Chas. K. Douglas (Brilliant Red)

Value \$12.50

SPECIAL, \$11.50
the 12 for

By Express (Not prepaid)

We would like to have your order as early as possible.



HYBRID TEA ROSES—Continued

Lady Hillingdon. A splendid new yellow variety, one of the most prolific cut flowers. Color deep apricot-yellow varying to orange. \$1.00.

Lady Ursula. Plant a strong grower, producing an abundance of large, well formed blooms with thick petals, apparently unmindful of any seasonable differences; smooth, clean, flesh pink with little noticeable shading. \$1.00.

LaFrance. One of the best known roses. Color silvery peach. A very beautiful variety, but a weak grower. \$1.00.

La Tosca. Silvery pink with deeper center. \$1.00.

Laurent Carle. Brilliant, velvety carmine. Flowers very large, of perfect form and intense fragrance. \$1.00.

Los Angeles. One of the grandest all-round roses of American origin ever put on the market. Flowers large and continuous, in color a flame pink, toned with coral and shaded with translucent gold at the base of the petals. \$1.25.

Luxemburg. A fine large, fully double rose of vigorous branching habit, and unusual freedom for the color which is a rich golden yellow. \$1.00.

Madame Butterfly. A symphony of white bright pink, apricot and gold, in the incomparable Ophelia style. The buds are a rich Indian red, yellow at base. \$1.00.

Mme. Caroline Testout. Seldom out of bloom, beautiful, light salmon-pink, edged silvery rose. \$1.00.

Maman Cochet. Deep rose-pink; inner side of petals silvery-rose. Flowers are very double. A fine bloomer and strong grower. \$1.00.

Miss Cynthia Forde. A placid, maidenly pink varying only in the definite condensation at margin and a lighter rose shade on the reverse. Of generous size and full, each petal laid primly in place; the fragrance noticeably sweet and refreshing. \$1.00.

Mrs. Aaron Ward. Buds are deeply cupped. Color, deep golden orange, shading to creamy yellow. This popular variety has long been the standard yellow, small-budded "corsage rose" for our American women. \$1.00.

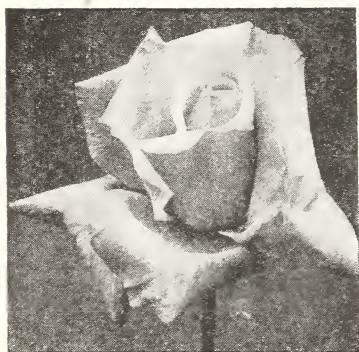
Mrs. Chas. Bell. Soft shell pink with a salmon background. It retains its full globular shape an unusually long period. \$1.00.

Mrs. Charles Russell. One of the choicest new pink roses, similar in character to the red American Beauty; a lovely shade of bright rose-pink deeper toward center. \$1.00.

Mrs. Wakefield Christie-Miller. Large, globular, peony-flowered bloom little affected by the blistering sun; early and continuous, of special value as a reliable garden rose. Delicately blushed pearl with salmon shadings; the outside a warm suffusion of rose and vermilion. \$1.00.

"HOW TO LANDSCAPE YOUR HOME GROUNDS"

A practical book filled with plans and suggestions on landscaping the small home grounds. This book is a supplement to our catalog, especially prepared to help the small home owner in his landscape problems. Send 10c today for your copy.



Jonkheer J. L. Mock (Page 25)



Gen.-Sup. A. Janssen (Page 25)



Lady Hillingdon

Our Hybrid Tea Roses will bloom the first season.



Mme. Butterfly

HYBRID TEA ROSES—Concluded

Premier. A magnificent variety of large size and distinct character; very deep rose color, the broad roll of the outer petals creating most interesting lights and shadows. It is practically thornless. \$1.00.

Radiance. Extra hardy, vigorous and prolific; one of the best all-around Garden Roses. Its color is a beautiful blending of carmine-rose with shades of opal and copper. \$1.00.

How to Prune Roses

The weak shoots and surplus wood are removed by us before sending stock out, so that what the customer gets is all ready to plant. Every Spring, usually the fore part of March, just before the leaf buds begin to swell, the winter covering should be gradually removed, and the bushes pruned.

Hybrid Perpetual Roses should be cut back, every shoot, to about 6 to 8 inches above the crown or that above the roots where the stem begins to branch. Teas and Hybrid Teas need not be cut back quite so hard; the Polyanthas not at all unless stems are too numerous.

The Rugosas are pruned merely to keep their growth within bounds and to remove dead wood; the Hardy Climbers are merely trimmed; and inasmuch as their bloom comes only on wood made the season before, the safest and most beneficial time for pruning is immediately after their blooming season and before they make new summer growth. Suckers from the Manetti stock should be cut off at once, and may be recognized by a difference in color and arrangement of seven leaves, instead of five, as in almost all varieties of Roses. Do not be afraid of the knife; the flowers will be larger and richer in color, and the bed more sightly.

Getting Roses Ready for Winter

Cover the bed at least 6 inches with leaves or manure; a binding surface of dirt, corn stalks or boughs on top. A convenient method is to confine this dressing by an enclosure of 12-inch chicken wire.

Spraying Roses

While healthy and vigorous plants are not especially susceptible to disease or pests, some pests will appear. For the leaf-eating insect, chafers, slugs and beetles, use arsenate of lead. For aphid or leaf hopper, use kerosene emulsion. For diseases such as leaf spot or mildew, use bordeaux mixture. Potassium sulphide, one ounce to three gallons of water is excellent to control mildew.

Red Radiance. The globular, heavy-stemmed "Radiance" duplicated in all respects except color; this sport form being a brilliant crimson. \$1.00.

Red Letter Day. Single or semi-double flowers of a uniquely cactus shape, vividly self-assertive throughout the garden season. Its color is a glittering scarlet-crimson clear through the petals. \$1.00.

Sensation. Bud is large, long-pointed; the expanded flower very double, averaging 5 inches across; very lasting. The finish suggests rich velvet, in color a scarlet-crimson deepened over all by glossy maroon. The foliage is dark, and the scented bloom profuse. \$1.25.

Sunburst. Very select, with long spiral buds; a lovely bronzy yellow fading to apricot. \$1.00.

Templar. A grand, good every-day clear red; not of extraordinary size, but deliciously perfumed, and a "fast" color without any blemishing purple stain in the oldest petals. \$1.25.

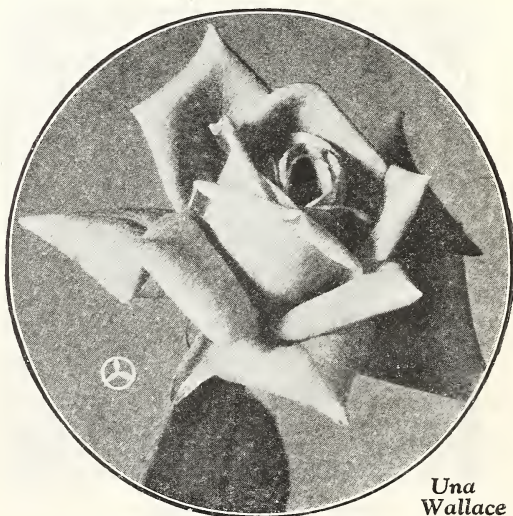
Una Wallace. A recent novelty, almost alone in its particular color shade which may best be designated a soft cherry rose without separation or shading. In size, style and habit there can be little criticism, and its production of sweetly fragrant bloom is very liberal. \$1.00.

White Killarney. A duplicate of the charming pink Killarney, with flowers white as show. \$1.00.

White Maman Cochet. Pure white, tinged sometimes with a pink blush. An exquisite rose. \$1.00.

White Ophelia. The original Ophelia has come to be rated as a pink rose. This new derivation retains merely the basic white of its various color shades, but this is magnificently displayed in the typical Ophelia character. \$1.00.

Wm. F. Dreer. Its coloring is not sharply defined or aggressive, but just that modest delicacy and sweetness found in orchids and certain water-lilies. Soft silvery shell pink, at times creating a golden illusion through reflection from the base of petals which are definitely gilded. A magnificent vase type, at its best as buds. (See illustration in color on front cover.) \$1.00.



Una Wallace

Above prices are postpaid, see page 20 for complete price schedule.

HYBRID PERPETUAL ROSES

Always Dependable

These are the "June Roses" so admirably suited for garden culture, the formation of Rose beds, hedges, etc. In June and July these lovely Roses are brilliant with great, intensely perfumed flowers of richest colors, far exceeding the other classes in size and vivid effect.

Alfred Colomb. A very perfect blossom, strawberry-red. A very fragrant flower, globular in shape. The plants are vigorous and bloom long and heavily in the early summer.

Anna de Diesbach. Beautiful carmine color. Flowers are very large and moderately fragrant. A vigorous plant.

Baron de Bonnstetten. A dark crimson flower, blooming very large and full. Very fragrant. One of the most desirable of its class.

Baroness Rothschild. A charming rose; bears double soft pink flowers of exquisite form. Sturdy and a profuse bloomer. One of the best of the Hybrid Perpetuals.

Capt. Hayward. Large, full flowers which are high built, with characteristically rolling edges to the petals. The color is a strong, rich, velvety carmine-crimson.

Duke of Edinburgh. Brilliant crimson scarlet shaded with maroon.

Eugene Furst. A beautiful velvety crimson, with distinct maroon shading; usually in clusters.

Frau Karl Druschki. The regal "White American Beauty." The distinctive form and expression of its bud, half opened state and maturity are a three-fold revelation of exquisite charm and beauty. Large flowers of waxy paper white in June; yielding their final outburst with the first snow of fall.

Gen. Jacqueminot. ("Jacq. Rose.") The oldest reliable red; free blooming, rich crimson scarlet.

George Arends. Often called "Pink Druschki." Flowers are deliciously fragrant, large, and of a beautiful pink coloring. Plant vigorous and bears abundantly.



John Hopper. A beautiful dark pink.

Jubilee. Pure red, shading to crimson and maroon at the base of petals; one of the darkest.

Magna Charta. Strong growing, early blooming with large flowers of bright rose-pink.

Mrs. J. H. Laing. A favorite sort; satiny flowers of soft, clear pink, remarkably free and continuous.

Paul Neyron. One of the finest hardy Roses ever grown. It blooms intermittently from June to November, on long, smooth, thornless stems, furnishing a vast quantity of uniform flowers 4 to 6 inches across. Color a bright ruddy pink. Particularly good in Autumn.

Prince C. de Rohan. Blood-red blossoms of strong fragrance, very finely formed. One of the favorites.

Ulrich Brunner. Cherry red. Its flower construction and habit is very pleasing, and the color appealing.

By mail—90 cts. each; \$8.50 per 10.

By express—85 cts. each; \$8.00 per 10; \$75.00 per 100.

AUSTRIAN BRIAR ROSES

Harrison's Yellow. Bright yellow; early flowering and always dependable.

Persian Yellow. An old favorite; very early, fragrant, shrubby type for the yard. Deep golden yellow.

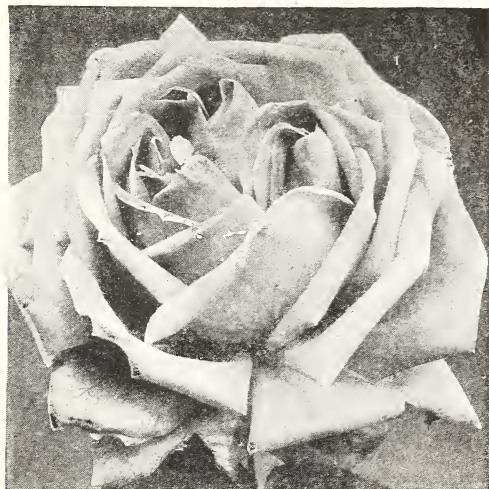
By mail—85 cts. each; \$8.00 per 10.

By express—80 cts. each; \$7.50 per 10.

PERNETIANA ROSES

Recent introductions of M. Pernet. A hardy garden type, characterized by ornamental tinted foliage; and strikingly beautiful combinations of colors in the flowers, in which the rare, much-prized yellow is predominant.

Juliet. Fine flowers; petals gold outside, inside rich, rosy red deepening as the flower expands. Makes a strong growing, sturdy bush. \$1.00.



Pernetiana Rose Juliet

Notice the roses in color on the cover of this catalog.

PERNETIANA ROSES—Continued

Soleil d'Or. A rich, rare color; gold and orange yellow, varying to ruddy gold suffused with Nasturtium red. \$1.00.

Mme. Edouard Herriot. Its flowers are medium sized semi-double, a glorious commingling of terra cotta, bronze, Geranium red and dull copper; fine long, pointed buds of coral-red and yellow. (See illustration in color on front cover.) \$1.00.

Souv. de Claudius Pernet. One of the most reliable and strongest yellow roses ever introduced, a decided and unstained sunflower yellow even deeper toned at center. Unlike most yellows, hot weather and exposure have little effect upon its pigments; the matured flower gleaming as richly as when first unfolding. Its flower form is large and full with elongated petals; the buds long and pointed. In growth it is vigorous, erect and branching, with brilliant foliage and almost thornless stems. \$1.00.

Souv. de George Beckwith. Flowers are large, full, globular and long-lasting, on good stiff stems; deep golden yellow at the base, terminating in shrimp pink, the intermediate surface overlaid chrome yellow; a healthy and vigorous grower. \$1.25.

Willowmere. A robust garden Rose of bushy habit, with beautiful buds, very large flowers and lustrous green foliage. Color rich shrimp pink, shaded yellow at center and toning to cream pink towards base of petals. \$1.00.

HYBRID POLYANTHA, FAIRY, OR "BABY RAMBLER" ROSES

Called "Baby" Ramblers on account of their very short, close growth as compared with the long-caned trellis climbers. Most sorts grow 15 to 18 inches in height, and are shapely little bushes entirely covered with bloom. As pot plants, the varied types make wonderful forced specimens for winter decorations; in summer, their brilliant clusters lay ribbons of color along the garden borders from June till fall.



See Page
30



Baby Tausendschon. A prevailing flesh-pink; in beautiful, full clusters. 85 cts.

Crimson Baby Rambler. The original red of the group; still the most extensively used. 85 cts.

Chatillon Rose. Wonderful sprays of beautiful semi-double flowers which last long in water. The florets average about 1 3/4 inches in diameter, each heart-shaped petal distinctly lobed. The color is a charming silvery crimson fading away to flushed white at the center. 85 cts.

EBLOUISSANT. See Novelties, P. 23.....85 cts.

Ellen Poulsen. Blossoms large and full of rose-pink. Coloring darker at the edges of the petals. Slightly fragrant. Flowers are clustered compactly and borne profusely. 85 cts.

Erna Teschendorf. Deep, unfading crimson darker than the type, and some taller growing. 85 cts.

Grete Schreiber. Pearl pink. Vigorous grower. \$1.00.

Gruss an Aachen. Unusually large, compactly double, fragrant flowers in full clusters; a unique and very pretty combination of pink, red and orange. \$1.00.

Ideal. Notable in its phenomenal quantity of bloom, and the richness of its color, the distinctive shade being a rich garnet red. 85 cts.

LADY READING. See Novelties, p. 23, \$1.00.

La Fayette. Although of dwarf, bushy growth, its clustered flower heads are a decided break from type; the individual flowers being 3 inches wide, semi-double and prettily ruffled, strung together in great branching sprays of as many as forty. Brilliant cherry-crimson color. 85 cts.

Orleans. Small flowers in large compact corymbs. Roses are bright red and fairly double. Plant is sturdy and healthy and a profuse bloomer. 85 cts.

Red Orleans. Deep rose red, with a blur of white at center. Very striking and popular. 85 cts.

PRINCESS JULIANA. See Novelties, P. 23, \$1.00.

Triomphe Orleanaise. Much the same shade of crimson as Baby Rambler, but larger flowered. \$1.00.

White Baby Rambler. Its pure white flowers are perfectly double, very freely borne. 85 cts.

Order from Storrs & Harrison and you can purchase everything you want on one order.

CLIMBING ROSES

Hardy Varieties Including the Famous "Rambler Roses"

YOUR yard or garden may be too small to warrant the outlay of space sufficient to express your appreciation of Roses in bush form. Hardy climbing types (which include those modern varieties called "Ramblers") need only a foothold; the long trails will twine and cling to any little trellis assistance and spread charming clusters over yards of wall space, and will hang in festoons along the eaves of your porch roof.

Price Price noted after variety is for 1 plant, by MAIL; EXPRESS price is 5 cts. less. 10 rate is 5 cts. less in each case. For 100 rate, see General Price List, page 20.

Alberic Barbier. Long, pointed buds of sulphur yellow, opening into handsome creamy white flowers. Growth is rapid, but slender, well clothed with glossy dark green leaves. 85 cts.

ALBERTINE. See Novelties, P. 24, \$1.25.

American Pillar. One of the most attractive, flowering profusely in large, compact clusters. The single flowers range from 2 to 5 inches in width. Brilliant carmine rose, with a distinct cream variegation and yellow stamens at center. 80 cts.

Aviateur Bleriot. (New.) Exquisite little buds of saffron yellow shaded apricot; opening to a lighter tone. The bloom occurs in open clusters, emitting an unusual but very pleasing magnolia fragrance. Glossy foliage and good thrifty growth. 80 cts.

Climbing American Beauty. This climbing form of the famous pink Rose, so long the American favorite for cutting, is as lovely and fragrant and deeply pink as the bush form. The hardy climber blood with which it is crossed gives healthy, perfect foliage and a strong climbing habit of growth; the super-abundant bloom being in prime before the June show of the bush type. 80 cts.

Crimson Rambler. The famous crimson-clustered climber, fore-runner of a splendid class. 80 cts.



Crimson Rambler

Doctor Van Fleet. One of the newer type of climbers which combines absolute hardiness with flowers large as in the Tea and Noisette class. This variety shows a mass of beautiful clustered buds, which open out into large, shapely flowers; delicate flesh white. An admirable cutting variety with stems 12 to 18 inches long. 80 cts.

Dorothy Perkins. A beautiful shell-pink climber. This is unquestionably the thriftiest, showiest, and most practical of the older pink climbers; and trails its riotous clusters over more verandas, windows and trellises than any other one variety. 80 cts.

EMILY GRAY. See Novelties, P. 24.....\$1.25



"The Arbor Collection" OF HARDY CLIMBING ROSES

A selection of six choice varieties covering the full range of color shades; adaptable to various uses. For pergolas, porch pillars, lattice screens, fence covering, staked-up dooryard bushes, art-trellises, and even the more humble use of ground covering.

American Pillar	\$0.80
Climbing American Beauty.....	.80
Dr. Van Fleet.....	.80
Dorothy Perkins .....	.80
Excelsa .....	.80
Paul's Scarlet Climber.....	.80

Catalog Price\$4.80
The six varieties above (1 of each)
By Mail (postpaid.).....**\$4.50**

We pay postage on all plants offered by mail.

CLIMBING ROSES—Concluded

Eugene Jacquet. (New.) Fragrant cherry-red flowers borne profusely in very large clusters. This is a fine rapid climber, and brings to the class a valuable feature hitherto lacking—fragrance. 85 cts.

Excelsa. A radiant, blood-red Dorothy Perkins, the clusters very large. Excelsa out-grows most of the Rambler Roses, has notably good clean foliage, and proves to be comparatively immune from disease. 80 cts.

Flower of Fairfield. The "Ever-blooming Crimson Rambler;" commencing to bloom on the first young red shoots, and adding size and brilliancy with its growth. Considerably darker color than the type, more double, and its blooming season more extended. 80 cts.

Goldfinch. Flowers large, semi-double, in full clusters; a rich lemon yellow. 80 cts.

Hiawatha. Its small flowers a deep ruby crimson accentuated by a white eye, are uniquely borne in long trails of 40 to 50 blooms. Smaller, but similar to American Pillar. 80 cts.

Jacotte. (New.) A vigorous climbing shrub with bright dark green foliage, very floriferous in clusters of 4 to 10 flowers. These are very effective in a shade new to the class; orange yellow in the bud, the expanded flowers a deep copper tinted with copper-red. \$1.00.

Mary Wallace. (New.) Although a good pillar rose, it becomes self-supporting and makes an ideal door-yard bush. The flowers are semi-double, bright clear rose-pink with salmon base. These are often 4 inches wide; appearing intermittently during the season, following their first glorious outburst in late spring. \$1.00.

MERMAID. See Novelties, P. 24.....\$1.25

Mrs. C. W. Thompson. Something new in hardy climbers, not a rampant grower like D. Perkins, but full-leaved and substantial like the older Pillar Roses, with the shiny green foliage of the Wichuriana class. The individual flowers are unique in form; being perfectly quilled, full, small buttons, deep pink color. These blooms are lavishly produced in dense clusters throughout an unusually long season, and are splendid subjects for table and other inside decoration. 80 cts.



Mrs. C. W. Thompson

Roserie. This splendid new Rose is derived as a sport from Tausendschön; and while showing exactly the same vigorous growth, clean foliage and great freedom of bloom as the parent, its flowers are a deep, glowing pink. 80 cts.

Silver Moon. Four to five inch semi-double flowers; pure white with thick clusters of yellow stamens. 80 cts.

Tausendschön. ("Thousand Beauties.") A rapid growing, almost thornless climber, showing the blood of Rambler, Polyantha and Tea parentage. Its innumerable flower clusters make a pretty show in June and July; at first the soft pink of Clotilde Soupert, later deepening to a bright carmine rose. A vigorous climber, with plentiful and healthy foliage. 80 cts.

White Dorothy. A magnificent, clustered Rose, with good strong virility and climbing habit, the vines a sheet of white during blooming period. 80 cts.



MOSS ROSES

A beautiful species distinguished by the moss-like covering of their buds. Vigorous, stocky growth, lustrous foliage and perfect hardiness; the flowers usually large and bloom exceptionally long.

Blanche Moreau. Pure white.

Countess of Murinais. White, beautifully mossed.

Crested. Deep pink buds, surrounded by a mossy fringe and crest; exquisitely fragrant.

Deuil de Paul Fontaine. Deep crimson; constant.

Glory of Mosses. Glossy pink tinged crimson.

Henri Martin. Rich glossy pink tinged with crimson.

Luxembourg. Bright crimson.

Salet. Light rose, large and full; late.

By mail, 85 cts. each; \$8.00 per 10.

By express, 80 cts. each; \$7.50 per 10.

A climbing rose will add beauty to any home.

RUGOSA ROSES

and Their Hybrids

A valuable, perfectly hardy type much used in landscape work, agreeable to location in partial shade; the heavy wood and shrubby formation adapting it to hedges and hardy borders, or to mixed shrubbery groups. The foliage is lustrous, dark green, usually corrugated, and is impervious to attacks of insect pests. Flowers are borne in clusters of varying size and construction, and are succeeded by winter persistent fruits.

Rosa Rugosa Rubra. Single flowers, rosy crimson; orange-scarlet fruits.

Agnes Emily Carman. Flowers large, semi-double; rich crimson.

Anthony Waterer. Semi-double flowers of deep crimson; a good landscape variety.

Chas. Fred'k Worth. Attractive, deep green foliage, denser and darker than the other Hybrids; flowers deep crimson with carmine shadings; fairly double.

Conrad Ferd. Meyer. An early flowering Hybrid combining the ornamental qualities of its Rugosa foliage with the blossom beauty and perfume of the Hybrid Perpetuals. Flowers large, cup-shaped and double; of a delicate silvery pink.

F. J. Grootendorst. ("The Baby Rambler Rugosa Rose.") Typical

rugosa foliage, health and habit, of compactly bushing, moderate growth; but revealing its baby rambler cross-derivation in the form, color and season of its bloom. Not only suitable for association with medium shrubs, like other rugosas, but on account of its remarkable bloom and superior bush character, deserves more prominent exhibition, either as a single specimen or in a separate massed group. The bloom is in clusters of over-sized, fairly double red flowers resembling the Crimson Baby Rambler, which, like this type, produces from early summer till fall. \$1.25 each.

Hansa. A showy hybrid with abundant large, double, reddish-violet flowers; rampant growth.

Mad. Georges Bruant. Semi-double pure white, produced freely in showy clusters.



F. J. Grootendorst

Parfume de L'Hay. Bright red flowers very freely borne. The unusual charm of this new variety lies in its intense, exquisite perfume. This quality gives it commercial value for the making of attar of roses.

Turke's Rugosa. Medium sized flowers of salmon-pink from orange-yellow buds. Pleasantly fragrant. This novelty rose is borne singly on a strong and very hardy plant. \$1.25.

Unless noted—By mail, 80 cts.; \$7.50 per 10. By express, 75 cts.; \$7.00 per 10; \$65.00 per 100.

JAPANESE TRAILING ROSES

WICHURIANA HYBRIDS

The evergreen, lustrous, dense and healthy foliage of this species make them indispensable for ground covering and shallow bedding. They bloom profusely during a long season and brighten the early winter months with conspicuous fruits and still green foliage. Although trailing in tendency, every variety yields readily to upright training, and makes beautiful staked pillars, trellis adornment, covering for unsightly fences, and, in fact, acts in a limited degree like the other Hardy Climbers.

Evergreen Gem. Dense, bronzy green foliage; double flowers creamy white. A fine ground cover.

Gardenia. The small, very numerous little yellow buds, are beautiful in early summer, the flowers opening up creamy white. Vigorous grower.

Sweetheart. Rosy pink, produced freely and continuing in bloom a long period of time.

By mail—85 cts. each; \$8.00 per 10. By express—80 cts. each; \$7.50 per 10; \$70.00 per 100.



Steps bordered with Wichuriana Roses

DESCRIPTIVE CATALOG No. 1. A complete edition of one of the most comprehensive nursery catalogs published, profusely illustrated with half tone cuts made from photographs of desirable specimens, containing 112 pages, giving full descriptions, will be mailed on receipt of 10 cents.

We can serve you better if you will order early.

NATIVE or WILD ROSES

Pretty single flowers, and large, bright-colored berries which cling far into the winter. They are largely utilized for planting among shrubs, and to reclaim and cover waste ground.

Carolina (Swamp Rose). Hardy in either wet or dry soil. Shrubby growth, pretty pink flowers.

Multiflora. Strong growing, with long arching canes covered with white clusters in June.

Setigera. Useful for massing in picturesque hillside brambles; as borders to wildwood drives; as filling for dead corners; and with equal harmony, as a congenial mixer with shrubs and in single specimens. Setigera is a good practical fence and trellis climber or with occasional clipping makes a showy, satisfactory bush. Large single flowers in abundance, color, a bright rose pink.

By mail, 80 cts. each; \$7.50 per 10.

By express, 75 cts. each; \$7.00 per 10; \$65.00 per 100.



The picturesque utility of Rosa Setigera

TREE or STANDARD ROSES

After temporary suspension in the furnishing of Standard Roses, we are pleased to announce that we have a limited supply of well grown trees available for this spring's delivery. We presume most of our patrons understand that Tree Roses consist of a single upright stem top-grafted to some reliable variety. This reveals all the foliage and all the bloom in a rounded clump at the top of a 4 foot stem. They are very useful as borders to walks in a formal garden, or in any location where the show of bloom is desired at an elevation of from 3 to 5 feet. We offer them in **Pink, Red and White**—all free blooming varieties. By express, \$3.00 each; \$27.50 per 10.

Received Plants In Excellent Condition

October 22, 1927.

The Storrs & Harrison Company: I want to tell you how much I appreciated the unusually fine condition in which the plants you sent reached me. They were so well packed and were as moist and nice as if ordered from our Portland (Oregon) companies.

Mrs. Robert H. Holroyd,
Carvallis, Oregon.

NEW YELLOW CHINESE BRIAR



Hugonis. A striking, unique, attractive shrub; at home in medium sections of the landscape groups, or conspicuously independent as solitary lawn clump. Last year's canes produce the crop of bloom, with clean, healthy foliage of the Briar type; but the new growth springing abundantly from the roots, is densely clothed in acacia-like leaves and bristles, all a reddish maroon. A matured bush may attain 6 feet in height, with corresponding spread. The sparkling buds begin to swell in April, so that early in May, Hugonis is a shimmering mound of gold. The flowers are single, flat to cup shaped, with charming stamen tufts at center; set snugly full length of the arching canes. Their color is bright and noticeable, ranging from deep gold, to canary. **\$1.00.**



See
Complete
Price List
of Roses
On Page
20

This catalog is our only salesman.

HARDY PERENNIAL PLANTS

*Beautiful Flowers that
you can easily grow in
the Garden or Border*



TO ALL lovers of flowers—and who is not—the hardy perennials appeal very strongly, because during the whole flowering season there is not a time in which some of them are not in bloom, and they reappear year after year, blooming freely and requiring very little attention and protection.

For lovers of spring flowers, summer flowers, or autumn flowers, there are varieties without end, enough to have seasonal gardens or borders of all-season beauty. Perennials should rightfully form the backbone of all flower planting with a few bulbs and annuals worked in to complete the effect.

How to Select Hardy Flowers

Select hardy flowers to provide a continuous blooming season. With perennials it is possible to have some show of color in every portion of the garden at any time.

Various coarse-leaved, tall growing sorts, such as Anchusas, Boltonias, Cassia, Hollyhocks, Golden Glow, Mallows, Sunflowers, etc., should, of course, be located in the **background**. The **front** of the border should be laid out in the dwarfest growing kinds, such as Achillea, Columbines, Shasta Daisies, Euphorbias, Gaillardia, Heuchera, Hypericum, Dwarf Lychnis, Forget-me-nots, Plumbago, Iceland Poppies, Sedums, etc. **Intermediate** rows will take care of the great majority of perennials; the principal requirement in their location being to so dispose that colors will not clash, nor be unequally distributed. The matter of variation in **blooming season** should also affect location, in order to have no material section of the garden without some show of color at any time of the year. Thoughtful study of succeeding pages, with these matters in view, will pay its own reward.



Achillea, Boule de Nieve

PLANTING

These roots may be planted as early in spring as the ground is pliable (or in the autumn); selecting an opportunity when the soil is not cold, wet or soggy. Large clumps are not necessary nor often desirable; the smaller divisions or pot grown stock showing more thrift and virility, and developing into shapelier plants than the bulkier old roots.

Any good soil sensibly enriched with rotted manure, bone meal or sheep manure as available, dug deep and thoroughly mixed, will be satisfactory.

Prices All prices are for delivery by mail, postage prepaid unless otherwise specified. Express shipments are not prepaid.

Achillea, Boule de Nieve. (Ball of Snow.) 18 in. A valuable dwarf perennial, erect and compact, with full ball shaped flowers; pure white. 15 cts. each; \$1.50 per dozen. By express, \$10.00 per 100.

—**The Pearl.** 2 to 3 ft. One of the best white flowered border plants, resembling Pompon Chrysanthemums. 15 cts. each; \$1.50 per dozen. By express, \$10.00 per 100.



Hardy Perennial flowers are so dependable they may well form the bulk of every garden planting

Plant Perennials once and they come up again each year.

*Anemone Japonica*

AGROSTEMMA Coronaria. (Rose Campion.) Bright crimson, phlox shaped; with velvety silvery foliage.

—**Coronaria Alba.** White flowers.

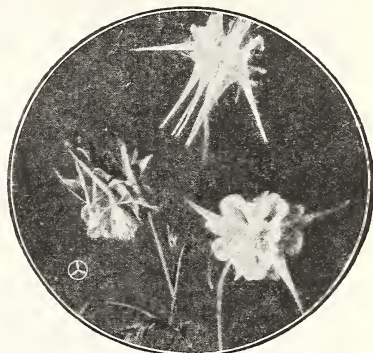
20 cts. each; \$2.00 per dozen.

By express, \$15.00 per 100.

ALYSSUM Saxatile Compactum. (Golden Tuft.) A useful little border and rockery plant, growing not over 12 inches high; covered with enveloping flat clusters of bright golden-yellow flowers early in summer.

20 cts. each; \$2.00 per dozen.

By express, \$15.00 per 100.

*Long Spurred Columbine*

ANEMONE JAPONICA. (Wind Flowers.) A valuable class, suitable for edging, massing or single specimens. They grow rapidly 2 to 3 feet, and are profuse in bloom, gaining strength and beauty each year. The blooming period extends from August till mid-November, the large open flowers furnishing abundant cut-flowers and brilliant field display.

—**Alba.** Pure white.

—**Queen Charlotte.** Abundant semi-double flowers broad and perfectly formed; "La France" pink.

—**Rubra.** Showy rose-red, yellow center.

—**Whirlwind.** Excellent double white flowers.

20 cts. each; \$2.00 per dozen.

By express, \$15.00 per 100.

ANTHEMIS—Kelwayi (Hardy Marguerite). An excellent and profitable perennial for cutting; its daisy-like flowers appearing in profusion, practically all summer. Golden-yellow, 2 feet.

15 cts. each; \$1.50 per dozen.

By express, \$10.00 per 100.

—**Nobilis** (Chamomile). Low, spreading, much branched border plant with ornamental fine-cut foliage which is pleasantly aromatic. The flowers have white rays with yellow disc.

15 cts. each; \$1.50 per dozen.

By express, \$10.00 per 100.

Aubretia Graeca. (Rainbow Rock Cress.) Essentially a rock plant, but equally pretty and useful as an edging to any dwarf perennial border. The foliage is a fine mass of silver green, in spring and early summer, concealed by a sheet of light purple flowers. 15 cts. each; \$1.50 per dozen.

By express, \$10.00 per 100.

AQUILEGIA (Columbine). Distinct, clear-cut foliage and delicate arrangement of colors; its habit especially suitable for rock-work, at the base of foundation walls and under trees. Blooms in early spring.

—**Chrysantha.** Bulky, strong yellow.

—**Chrysantha Alba.** Beautiful double white.

—**Mrs. Scott Elliot's Long Spurred Hybrids.** An English strain producing many shades and combinations in purples, blue, red and yellow.

15 cts. each; \$1.50 per dozen.

By express, \$10.00 per 100.

Arabis Alpinus. (Rock Cress.) Low growing plants especially suited to rock-work, flowering a long time, in small white terminal racemes. They commence to bloom in May.

20 cts. each; \$2.00 per dozen.

By express, \$15.00 per 100.

HOW TO PLANT AND GROW PERENNIALS



SPACING. In planting perennials, it is generally safe to space those varieties which do not grow above 2 feet, about 12 inches apart; the taller ones at an interval one-half the ultimate height. Crowded or stingy planting are equally disastrous to healthy growth and perfect effect.

CULTIVATION. Don't let up with the hoe! Keep the ground well cultivated, leveled and free from litter; except during protracted drought, a little mulch of short grass (sweepings from the lawn) will help retain moisture and keep the soil from baking.

TRAINING. Judicious "staking" at an early date will adjust many later defects of top-heaviness or unequal development. If done early, the correction and support will be absorbed; after maturity, any alteration would appear abnormal and unsightly.

TIDINESS goes a long way towards an attractive garden. Snipping a broken twig; an untanglement here and there; removing withered leaves, dead flower stems, etc., will repay the odd moments of time and attention.

DIVIDING. The earliest flowering types are generally dwarf, compact and close rooted; these may be left undisturbed for several years. The tall sorts of late summer and fall are fast growing and prolific; it will be found a positive advantage to quality of bloom and general appearance, if these are taken up, divided, and a part only replanted, at least every second year.

WINTER PROTECTION. Everything listed in this section is "hardy," but in varying degree. For instance, Tritomas, Poppies and Shastas really need some protection. A light covering of coarse straw manure or leaves (not over 2 or 3 inches deep) will give comfort to all kinds, and insure safety for the weak. After removing all stems and dead foliage, during the last days of November, or before severely cold weather sets in, apply this dressing, remembering to remove it gradually next spring, as soon as frost begins to leave the ground.

No garden is complete without perennials.

Ameria Lauchena. (Cushion Pink.) Dwarf compact growing plants, grassy foliage evergreen, throwing up numberless spikes of little ball shaped flowers from spring till fall; various shades of pink.

20 cts.; \$2.00 per dozen.

By express—\$15.00 per 100.

Artemisia Lactiflora. Deep green, cleft foliage and compact bush shape; in bloom during August and September. The creamy white flowers, which resemble Herbaceous Spireas and are sweetly scented, are borne in large terminal panicles on erect stems 3 to 4½ feet tall.

25 cts. each; \$2.50 per dozen.

By express—\$18.00 per 100.

Asclepias Tuberosa. (Butterfly Flower.) A familiar field flower; the cultivated form making a delightful show of orange flowers during early summer; 2½ feet.

20 cts. each; \$2.00 per dozen.

By express—\$15.00 per 100.

HARDY ASTERS

The "Michaelmas Daisies" are very largely used by landscapers, to provide masses of foliage and bloom throughout the fall. They give a wide range of selection as to height, character, season and color.

Abendrothe. 2½ feet. Very effective rosy red flowers.

Anita Ballard. (3 ft.) Light lobelia blue, early and free; a certain distinctive expression, which makes it stand out among other light blues.

25 cts. each; \$2.50 per dozen.

By express—\$18.00 per 100.

Blue Gem. (3 ft.) Large, rich violet blue.

25 cts. each; \$2.50 per dozen.

By express—\$18.00 per 100.



New Aster Elta

Blushing Bride. (3 ft.) White with just a tint of pink.

Capitaine. (4 to 4½ ft.) Light lavender blue.

Dick Ballard. (3 ft.) Large, distinct rose tinted lavender.

Elta. A profusion of large close-petaled flowers throughout a longer fall season than any competitor. One of its superior and important advantages is its compact, branchy habit, and comparatively dwarf growth, making it available for use even in the central spaces of the more formal gardens. Color a definite lilac-lavender, with tango eye. 25 cts. each; \$2.50 per dozen. By express—\$18.00 per 100.

Emilie Thoury. (3 ft.) Light ageratum blue.

King of the Belgians. (3 ft.) Light lobelia blue. 25 cts. each; \$2.50 per dozen. By express—\$18.00 per 100.

Laavis. (4 ft.) Reliable old light blue variety.

Miss Eisele. (3 ft.) Very large lavender blue.

Mons. (3 ft.) Distinct reddish violet; very showy type of refined character, useful in autumn hampers, and in general bouquets. 25 cts. each; \$2.50 per dozen. By express—\$18.00 per 100.

Rachel Ballard. (3 ft.) Rose tinted violet-blue.

Sam Banham. (3 ft.) Earliest; feathery, pure white, better than most white varieties for cutting. 25 cts. each; \$2.50 per dozen. By express—\$18.00 per 100.

The President. (4 ft.) Large, light bluish violet.

Townshendi. (2½ ft.) Early and continuing summer bloom in close trusses; flowers have many distinct rays of lavender and a medium bronze gold center. **Unless noted: 15 cts. each; \$1.50 per dozen.** By express—\$10.00 per 100.

Bocconia Cordata. (Plume Poppy.) Six to 8 feet. Immense flat, deeply indented leaves of silvery green on pearl-pink stalks. Flowers creamy white, produced in large upright panicles, which persist for months, darkening to rusty bronze. This is a splendid plant to point the angles of the tallest perennial backgrounds, its neutral colors associating well with any other colors, and its stems and foliage highly ornamental. 20 cts. each; \$2.00 per dozen. By express—\$15.00 per 100.



This Catalog will help you plan a perennial garden.

- Boltonia.** Fast growing. Five feet. Suitable for backgrounds; prolific, paniced late summer bloom.
- Asteroides.** Aster-like white flowers.
- Latisquama.** Lavender pink flowers. Large sprays. 15 cts. each; \$1.50 per dozen; \$10.00 per 100, by express.

CAMPANULA (Bellflower)

These are among the most beautiful and well-liked of the entire list of border plants. There are various types, all throwing up a liberal number of flower spikes along which are a crowded profusion of good sized bells; adapted to any garden soil.

Calycanthemum. ("Cup and Saucer.") Hardest and most popular form. Single cup-shaped flowers, 3 inches long, set in saucer-like calyx, 3 to 4 inches across; entire flower of one color. Very productive. We offer three separate colors, **Blue, Rose or White.**

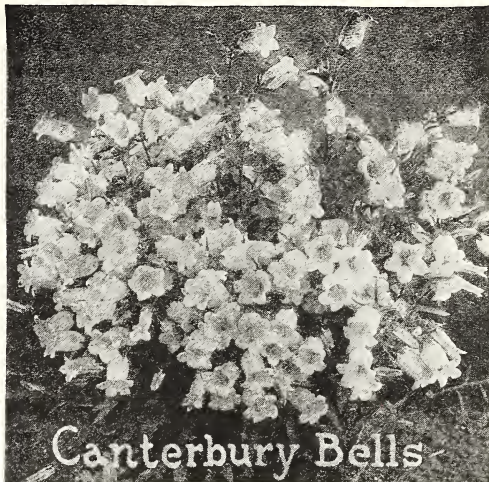
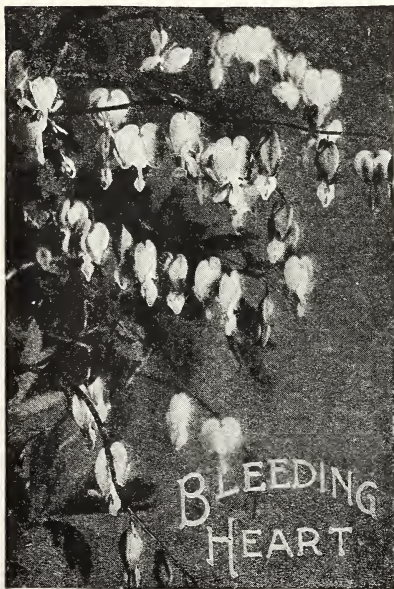
Carpatica. (Carpathian Hare-Bell.) A pretty compact species, not exceeding 8 inches high, flower bells 1 inch in diameter. **Blue or White.**

Media. The well known "Canterbury Bells;" its numerous branches crowded with deep bells, the edges softly rolled back and fluted. In July, height 2 to 3 feet. **Blue, Rose or White.** 20 cts. each; \$2.00 per dozen. By express—\$15.00 per 100.

Caryopteris Mastacanthus. (Blue Spirea.) A fine bushy border plant growing about 3 feet high; from September until frost, covered full length of the stems with attractive umbels of lavender blue. These are of unique construction, the bristling stamens adding materially to the general effect. Not entirely hardy in the north and should be heavily protected. 35 cts. each; \$3.50 per dozen.

Cerastium Tomentosum. ("Snow-in-Summer.") A carpet plant, with silvery foliage and white flowers. \$20 cts. each; \$2.00 per dozen. By express—\$15.00 per 100.

Coreopsis Lanceolata Grandiflora. Flowers are rich golden yellow, borne in great profusion nearly the entire summer. This is one of the most serviceable and dependable perennials, furnishing a prodigious amount of excellent cut flowers, besides taking an important place among the 18 to 24 inch border types. 15 cts. each; \$1.50 per doz. By express—\$10 per 100.



SHASTA DAISY, Alaska. Pure white with yellow eye. Plants are extremely productive of bloom, making as spectacular a field show and as profitable a cut-flower supply as any Hardy Perennial grown. 15 cts. each; \$1.50 per dozen. By express—\$10.00 per 100. Always in bloom Memorial Day.

—**King Edward VII. (New.)** Immense flowers and vigorous growth. 20 cts. each; \$2.00 per dozen. By express—\$15.00 per 100.

—**Suttons Perfection.** Begins to bloom in July and is beautiful from then on. Its petals are very long and glistening white, with a rather small yellow eye. 2½ feet. 25 cts. each; \$2.50 per dozen. By express—\$18.00 per 100.

DICENTRA. (Bleeding Heart.)—**Spectabilis.** One of the most delightful of all the early spring flowering plants, bearing numerous rosy red, heart-shaped flowers in drooping racemes. Two feet. 50 cts.; \$5.00 per dozen.

—**Eximia.** Compound racemes of deep rose, the heart shaped flowers tapering to a long slender neck. This variety is valuable in landscaping designs owing to its practically continuous bloom, and the very attractive cut-leaved foliage clumps. 25 cts. each; \$2.50 per dozen.

CHRYSANTHEMUMS—Hardy Mums
for the Garden or Border See Page 78



Coreopsis



Shasta Daisy

Plant Perennials in front of shrubs or any other place you want flowers.

DELPHINIUM (*Larkspur*)

The Perennial Larkspurs are indispensable to the herbaceous garden. Their long, showy spikes of flowers persist from June till frost and furnish an unlimited cutflower supply.

Belladonna. A magnificent sort with large spikes of the most delicate turquoise-blue. 15 cts. each; \$1.50 per dozen; \$10.00 per 100 by express.

Bellamosa. A very dark blue variety, of particular value for deliberate dark blue mass effect, and a striking contrast in connection with the azure shade of Belladonna. 20 cts. each; \$2.00 per dozen; \$15.00 per 100 by express.

Gold Medal Hybrids. (See illustration in color inside back cover.) Plants vigorous, free blooming, with flower spikes 2 feet long. Grand assortment of colors in mixture, ranging from lightest blue to purple. 20 cts. each; \$2.00 per dozen; \$15.00 per 100 by express.

Chinensis. Dwarf growth; foliage small and deeply cleft; flowers loosely paniced; bright dark blue. 15 cts. each; \$1.50 per dozen. By express—\$10.00 per 100.

DICTAMNUS Fraxinella. (Gas Plant.) An interesting plant of shrubby, bushy growth 2 to 3 feet high, bearing very numerous early summer flowers; and emitting a pleasing fragrance.

--**Rubra.** Spikes of curious red flowers. 25 cts. each; \$2.50 per dozen.

DIGITALIS *Gloxiniaeflora.* (Foxglove.) A grand display of thimble-shaped flowers in immense spikes during July and August. Tall growing with large, rough foliage. Separate colors. **White, Purple, or Rose.** 20 cts. each; \$2.00 per dozen.



Larkspurs are universal favorites

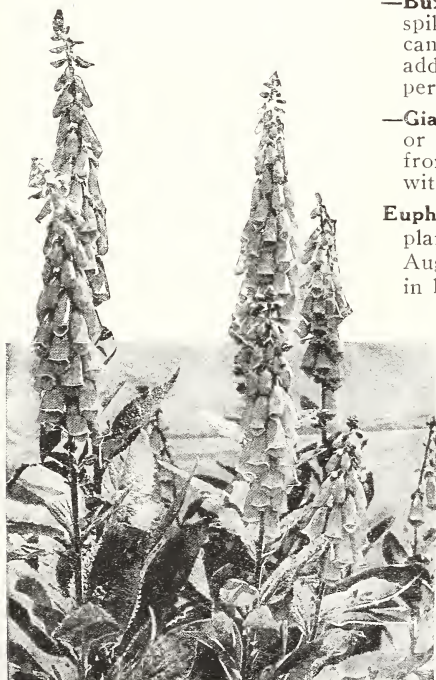
--**Buxbaumii.** Smooth, shiny foliage; strong stems bearing good long spikes of medium sized flowers, unique and showy in their rich canary yellow color. Yellow flowers in the Foxgloves are a welcome addition to their usefulness in the taller groups. 20 cts. each; \$2.00 per dozen.

--**Giant Shirley Mixed.** Six to 7 feet high, with flower heads 3 feet or more long, crowded with big bell-shaped florets. Colors range from white and shell pink to deepest rose, many attractively dotted with crimson and chocolate. 25 cts. each; \$2.50 per dozen.

Euphorbia Corollata. (Flowering Spurge.) A branchy low-growing plant with fine stems and foliage, literally covered from June to August with loose umbels of pretty white flowers. Good for cutting in long sprays; and one of the most charming mist-flowers to mix with bouquets of Larkspur, Geum, etc. Euphorbia is usually in prime, just after Gypsophila is through, and before the Thalictrums become useful as "mixers." 20 cts. each; \$2.00 per dozen.

Funkia Undulata Variegata. Thick leaved, substantial plants valued even more for their foliage than for their flowers. The leaves are broad and definitely fluted, pale green with a broad white central band and varying streaks; the flower stems just long enough to clear the foliage clump, small pendent blue florets in loose racemes. Being only 12 to 18 inches high they make very showy edging plants to bind in a planting of taller perennials, and they are also among the very few really choice perennials which accept a shady location without protest. 20 cts. each; \$2.00 per dozen. By express—\$15.00 per 100.

Funkia Subcordata Alba. Wide circles of broad leaves. Flowers large, waxy white, fragrant, borne in large trusses. 25 cts. each; \$2.50 per dozen. By express—\$20.00 per 100.



Digitalis (Foxglove)

See colored illustrations of Perennials on inside back cover.



Gaillardia



Geum



Gypsophila

Gaillardia Grandiflora. (Blanket Flower.) One of the most gorgeous, and prodigal displays of all perennials, providing an unfailing supply of bloom, in those rich, tawny shades so highly prized. Flowers often measure 3 inches in diameter, on clean 2 foot stems. A hard center of deep maroon, is thickly bordered by petals of orange and yellow, strikingly ringed by circles of crimson, red and maroon, 20 cts. each; \$2.00 per dozen; \$15.00 per 100, by express.

GEUM. Brilliant, beautifully ruffled flowers resembling Carnations, on long slender upright stems. 1½ feet. In prodigal bloom from June to September.

—**Mrs. Bradshaw.** Showy double crimson scarlet.

—**Lady Stratheden.** Bright golden yellow.

20 cts. each; \$2.00 per dozen.

Gypsophila Paniculata. (Baby's Breath.) A branching fine stemmed plant rapidly forming a 2 to 3 foot mound. During mid-summer, the surface is a fleecy mass of white in loose panicles of minute, but myriad flowers. Sprays of these are largely used for mixing with high colored flowers, with delightful effect in bouquets. 15 cts. each; \$1.50 per dozen.

HELENIUM. Branching plants which make fine individual rounded bushes, or work to advantage in the medium section of a graduated perennial group. 3 to 4 feet. Plants should be allowed at least 2½ feet for spread.

—**Autumnale Rubrum.** Bright terracotta red, a color particularly appropriate to late summer.

—**Riverton Gem.** Quite showy during August with terminal clusters of 1½ inch, deep yellow flowers changing to wallflower red.

20 cts. each; \$2.00 per dozen.

HARDY GRASSES

A few clumps of these beautiful hardy grasses give an air of tropic luxuriance, and piquant animation. Gracillima is the finest, densest, darkest and most sinuous. The Eulalias are about equal as to height (4 feet) and quality of plumage, and make excellent dried bouquets for winter. The Ribbon grass, being dwarf, is used for edging, the clumps spreading to about 2 feet.

Eulalia Gracillima Univittata. (Japan Rush.) Narrow green leaves with a silvery white midrib, perfectly hardy.

—**Japonica Variegata.** Long narrow leaves, striped with green and white.

Phalaris Arundinacea Variegata. (Ribbon Grass.) Green leaves, striped lengthwise with creamy white. 1½ to 2 feet. 20 cts. each; \$2.00 per dozen; \$15.00 per 100, by express.

HELIANTHUS (Sunflower)

Hardy and quick growing, available for medium to tall location. The flowers average from 3 to 5 inches in diameter, of various pretty shapes and shades of yellow. Foliage and growth of each is entirely distinct; can be adjusted to other perennials for striking foliage effects.

Maximilliana. Immense single flowers, rich golden yellow, center reddish brown. Very dark green, lanceolate, drooping foliage, late bloom. 5 to 7 feet.

Mollis Grandiflorus. Light lemon yellow. Foliage large, rounded, silvered and quite hairy. 4 feet. 20 cts. each; \$2.00 per dozen.

HELIOPSIS—Golden Sun (New). Bushy perennials seldom over 3 to 4 feet high; lavishly covered with 3 inch single flowers during 6 weeks of mid-summer. 25 cts. each; \$2.50 per dozen.

HEMEROCALLIS. Well known family resembling Lilies in character and bloom, usually sweet scented and bearing a great quantity of yellow flowers during long periods. They run in height from 2 to 4 feet.

—**Middendorffii.** Grows 2½ feet, with dark, clean foliage and long stems, and clusters of lily flowers 5 to 6 inches long, bright golden yellow. May and June. 20 cts. each; \$2.00 per dozen.

—**Thunbergii.** Funnel-shaped flowers of buttercup yellow in July. 4 feet. 15 cts. each; \$1.50 per doz.

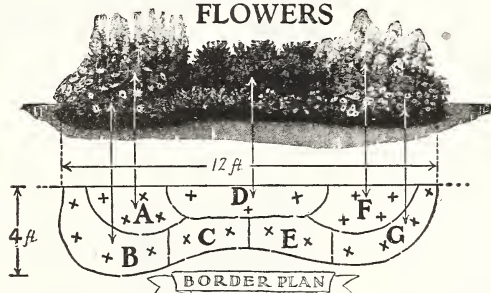
HEUCHERA, Sanguinea ("Coral Bells"). Grows about 2 feet high, with scalloped purple-tinged round leaves; and throughout the summer throws up innumerable erect, slender flower stems, each crowned with a loose umbel of coral-red flowers. 25 cts. each; \$2.50 per doz.



Heliosis Golden Sun

Baby's Breath is excellent along with other flowers in bouquets.

12 FOOT BORDER OF HARDY FLOWERS



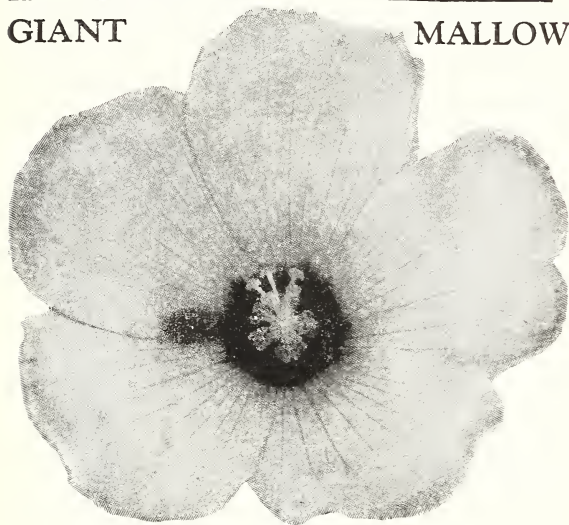
Enough to plant a border 4 feet wide and 12 feet long. Plant at edge of lawn or in front of shrubbery.

Key	No.	Catalog	Price
A	4	Hollyhocks	\$0.70
B	4	Shasta Daisies .....	.50
C	3	Coreopsis .....	.40
D	3	Phlox .....	.50
E	4	Platycodon Marcei .....	.50
F	4	Foxgloves .....	.70
G	4	Gaillardia .....	.70

Regular catalog price.....\$4.00

Special for**\$3.50**

GIANT MALLOW



HIBISCUS (Mallow)

CRIMSON EYE. Of quick, shrubby growth to 5 feet, bearing quantities of large open flowers like single Hollyhocks; white with prominent crimson throat. 20 cts. each; \$2.00 per dozen.

MALLOW MARVELS. A giant race derived from the common native Hibiscus, which has elevated this type almost to the dignity of shrubs. Massed in great groups or generously interspersed with shrubs, these "Marvels" grow very rapidly, sometimes getting up to 8 or 10 feet in height; with plenty of broad foliage to furnish a rich setting for the mammoth flowers.

—**Red Marvels.** Various shades of red and crimson. 20 cts. each; \$2.00 per dozen. By express—\$15.00 per 100.

—**Mixed Marvels.** A possibility of red, pink, or white—or all.

15 cts.; \$1.50 per dozen.

By express—\$10.00 per 100.

HOLLYHOCKS

This stately old plant is truly "King of the Garden." Hollyhocks inject so much of color and life and picturesque into tall backgrounds with their densely-set pillars ranging in height from 4 to 7 ft., ablaze throughout the summer with a thrilling suggestion of comfort and loving care.

Double Flowered.

Large rosettes of paperlike tissue, very compactly layered. We offer them in the following separate colors: **Crimson, Yellow, White, Maroon and Pink.**

Mammoth Fringed.

Extra large flowers semi-double and single, petals finely curled and fringed; colors: shell-pink, rose, and ruby-red. Mixed colors only. 20 cts.; \$2.00 per dozen. By express, \$15.00 per 100.

HYACINTHUS CANDICANS. 20 to 30 white, pendent, bell-shaped flowers on stalks 3 to 4 feet high. Blooms early and till late fall. Should be planted rather close for mutual support, preferably in straight lines, and be heavily mulched as winter protection. 3 for 25 cts.; \$1.00 per dozen.

HYPERICUM—Henryi. (Gold Flower.) Forms a shrubby, recumbent bush, 2 to 2½ feet high, of smooth purplish arching stems. Single, 2-inch or larger bright golden flowers, the rich color heightened by the many tufted yellow stamens with reddish anthers. Their foliage is fern like, with dark, shiny upper surface, richly contrastive to the abundant bloom which is quite persistent. Does very well in partial shade if soil is not too dry. 2 year plants—50 cts.; \$5.00 per dozen.

—**Elegans.** Grows upright 6 to 12 inches with an abundance of short, ovate foliage and yellow flowers an inch or less across, in terminal panicles. 35 cts. each; \$3.50 per dozen.

INULA—Ensifolia. 2 feet. A rockery plant with narrow leaves; and large yellow flowers in July and August; the rays long, slender and separated. 20 cts. each; \$2.00 per dozen.



Double Hollyhock

Many cities have planted hollyhocks in profusion along their streets and alleys—a good idea.

BEAUTIFUL IRIS ~

The Delight of the Garden

PLANT Iris in the Border, in the Rockery, among Perennials, or in front of Shrubs. A border of Iris along a path or walk is a beautiful sight each year. For best effects plant at least half a dozen of a kind in a group of several kinds.

GERMAN IRIS

Iris Germanica. The "Fleur de Lis" of France, with exquisite, haunting fragrance; second only to the Peony in perennials. Capable of establishment in any kind of soil, they will attain greater perfection of growth and flowering in a damp or marshy situation.

PRICES. The price per dozen (postpaid) is 10 x price quoted. If included with, or separately shipped by express or freight, deduct 25 cents per dozen from the mail price.

Alcazar. Very large, broad petals. Standards pale lilac blue with golden bronze throat; falls rich violet purple. Rated 8.9. 35 cts. each; \$3.50 per dozen.

Ambassadeur. Vigorous growth, with strong 3-foot stems, and large flowers of great substance. The standards are a murky bronze effect, combining yellow with hyssop-violet. The broad falls are very velvety, a rich carmine-purple. Rated 9.4. \$1.50 each; \$15.00 per dozen.

Bessie Bailey. A charming new variety of the Chereau type, but with larger and more fragrant bloom, the bright blue edging flaked on to the ivory background more heavily. 60 cts. each; \$6.00 per dozen.

Candelabra. Light mauve dusted with violet. Falls perfectly limp with sharply defined veins converging to a solid blotch of almost black violet. 30 cts.; \$3.00 per dozen.



Alcazar

Caprice. Flowers large and rounded, rich, rosy-lilac, a little darker in the falls, with the distinctive fragrance of bruised grapes. 20 cts. each; \$2.00 per dozen.

Darius. Ruffled upright petals of canary yellow, falls blotched with lilac blue and daintily feathered with brown towards base. 25 cts.; \$2.50 per dozen.

Eldorado. One of the newer bronzes; with fiery opalescent standards and old gold falls splashed with burnt purple. 30 cts. each; \$3.00 per dozen.

Florentina Alba. S. creamy white, lightly flushed with lavender; F. white with deeper lavender flush. Base yellowish white. 20 cts. each; \$2.00 per dozen.

Honorabilis. Standards golden yellow; falls rich mahogany brown. 20 cts. each; \$2.00 per dozen.

Isoline. Standards pale lavender; falls light purple, over-laid brown; beard yellow. 25 cts. each; \$2.50 per dozen.

Jeanne d' Arc. A delicate, dainty sort of good size and form; white with edges partly checked and scapes heavily suffused in violet. 25 cts. each; \$2.50 per dozen.

Lent A. Williamson. Similar to Alcazar, but broader and more massive, with heavier stalks. The velvety pansy violet falls are emphasized by the intervening bronze-gold center, and the crimped standards of lavender violet. Rated 9.0. \$1.00 each; \$10.00 per dozen.

Lohengrin. A soft shade of Cattleya rose, except for a weakening to almost white at the claws. 25 cts each; \$2.50 per dozen.

RAINBOW IRIS GARDEN COLLECTIONS



The Fragrant Trio—

Exquisite—Pungent—Unforgettable

A delightful group for planting near the doorstep or window.

- | | |
|------------------|-------------------|
| 2 Caprice | The 5 for |
| 2 Jeanne d'Arc | \$1 ²⁵ |
| 1 Viola, 50 cts. | |
| Grandiflora | |

"TANGLED FLAGS"

A dozen kinds
A dozen colors

Selections from the varieties. A wonderful start on an Iris garden. Exquisite colors, every one different.

Alcazar	Isoline	Value
Candelabra	Lohengrin	\$3.00
Caprice	Mme. Chereau	The 12 for \$2 ⁶⁵
Eldorado	Monsignor	
Florentine	Nibelungen	
Honorabilis	Pallida Dalmatica	

Iris are easy to grow and are sure to give satisfaction.

*Queen Caterina***GERMAN IRIS—Continued**

Lord of June. A very tall, full headed variety with a certain air about it; considered to be one of the best. The color is practically solid light blue-violet. Rated 9.1. \$1.00 each; \$10.00 per dozen.

Loreley. Luscious custard yellow, the falls sharply feathered violet, with emphatic blotch of ultramarine blue towards the end. 30 cts.; \$3.00 per dozen.

Mme. Chereau. White, elegantly frilled, with a wide border of clear blue; one of the most charming sorts. 20 cts. each; \$2.00 per dozen.

Maori King. Short and compact, very free. Standards rich golden yellow, closely incurved; falls velvety red-brown, distinctly feathered. 30 cts.; \$3.00 per dozen.

Maritana. Medium growth; flowers well opened, a dainty duguesclin blue effect from white, blushed and heavily edged with reticulations of lilac blue. 25 cts.; \$2.50 per dozen.

Mme. Gaudichau. (Rated 9.3.) A beautiful violet-blue in the overlapping standards; the drooping falls very dark and velvety in midnight purple. The entire flower is extra large, with stem and plant of commensurate character. \$1.50 each; \$15.00 per dozen.

Monsignor. The somberness of its darkly veined crimson purple color enlivened by gleaming violet rays in the standards. 25 cts.; \$2.50 per dozen.

Nibelungen. S. fawn; F. violet, with fawn margin; a handsome variety. 25 cts. each; \$2.50 per dozen.

Pallida Dalmatica. Tall growing; with very large full-formed flowers of soft lavender, the falls being of deeper hue. 25 cts.; \$2.50 per dozen.

Queen Caterina. Extreme delicacy of coloring coupled with unusual vigor, substance and great size. A pleasingly fragrant, one-color iris; azure lilac. A distinctive "moon-light" effect is produced by the silvery coating and reflex, the strong bronze haft, and

orange beard. Certainly a choice variety. Rated 9.1. \$1.00 each; \$10.00 per dozen.

Rhein Nixe. White; the falls heavily blotched and feathered purple; large golden beard. 25 cts. each; \$2.50 per dozen.

Shekinah. A new variety of the large flowered pallida type; uniquely beautiful in its rare color. Straw yellow deepening to amber in the throat, with a lemon colored beard. \$1.00 each; \$10.00 per dozen.

Sherwin-Wright. Solid, all-over buttercup yellow. Bloom very free and long-lasting; no better clear yellow variety. 30 cts. each; \$3.00 per dozen.

Taffeta. Aptly named for its raw-silk texture, and very popular for its unique color effect. The fluted standards are a smoky tan, scapes buff, beard gold, and falls a clouded plum-bago-blue. \$1.00 each; \$10.00 per dozen.

Tamerlane. Very heavy foliage and late bloom; F. deep purple; S. light blue. 30 cts. each; \$3.00 per dozen.

Toreador. The deeply ruffled plume is a blend of amber, buff and bronze; modified in the broad and horizontally extended falls, by a heavy reticulation of red-maroon. \$1.00 each; \$10.00 per dozen.

Victorine. Strikingly contrastive, yet dainty. Standards silvery white; falls nearly solid in velvety, deep violet. 30 cts. each; \$3.00 per dozen.

Violaacea Grandiflora. Standards deep blue, falls have violet shading. 50 cts. each; \$5.00 per dozen.

INTERMEDIATE IRIS

Handsome, large flowered, medium growing hybrids resultant from crossing the tall bearded Germans with the various Crimean hybrids. These are vigorous, hardy and free flowering, blooming in May just ahead of the taller Germanica class.

Dorothea. Milk white, clouded with porcelain blue, brown reticulations at base of all petals.

Freja. Pearl color, the falls flamed violet. Occasionally produces a fall crop of bloom. 25 cts. each; \$2.50 per doz.; by express, \$15 per 100.

Halfdan. Large flowers of good substance; creamy white.

Helge. Lemon yellow with pearl shadings.

Walhall. Standards lavender, falls wine-red.

Unless noted, 20 cts. each; \$2.00 per dozen. By express—\$12.00 per 100.

*Intermediate Iris*

This catalog is our only salesman.

S. & H. CO.

JAPAN IRIS SET



Left to right—TOP ROW: Nos. 5, 6 and 1. BOTTOM: Nos. 2, 4, 3 and 7

JAPAN IRIS

Iris Kaempferi. Last of the wonderful Iris procession in point of season; but for size of plant and flowers, shapeliness, richness of coloring, beauty of pattern, and splendor of general effect, is unquestionably accorded first. Their flowers are generally rather flat and wide, often measuring 10 to 12 inches across, appearing in great profusion during June and July after the Germans are through. This class of Iris should be cultivated thoroughly and often, to insure the fullest extent of bloom size and beauty. The following varieties are arranged according to their relative blooming season, the entire collection providing a long succession.

- 1—**Kumo-no-obi.** (Band of Cloud.) The lower and upper petals being nearly equal in size, make a very full flower and a solid blotch of color. A pleasing general effect of lavender, derived from the laying on of white in distinct rays and halo over deep rose. This background is a rare setting for the golden throat and the pure white standards tipped purple.
- 2—**Gekka-no-nami.** (Waves under Moonlight.) Earliest to bloom, and the choicest white; very free. Glistening white with creamy white stigmas.
- 3—**Moniji-no-taki.** (Maple Waterfall.) A choice double variegated variety; bright rosy crimson, beautifully feathered in white. Petaloid-stigmas white, purple crested.
- 4—**Zama-No-Mori.** Only three-petaled, but larger than most; one of the daintiest and most delightful of the delicate toned kinds. White, with a heavy azure blue zone; short white standards margined blue.
- 5—**Koki-no-Iro.** (Purple and Gold.) Enormous double flowers often 10 inches across, early and free blooming; one of the very best varieties. Color, rich violet-purple with white petaloids tipped violet. The conspicuous golden throat extends outward in sharp bluish white rays.
- 6—**Uchiu.** (Universe.) Beautiful, six-petaled flowers of largest size, on the longest stems. Color,

cerulean blue with golden center and white halo from which radiate many clear white lines. Standards white, tipped blue. This variety covers the longest blooming season and is altogether one of the most attractive.

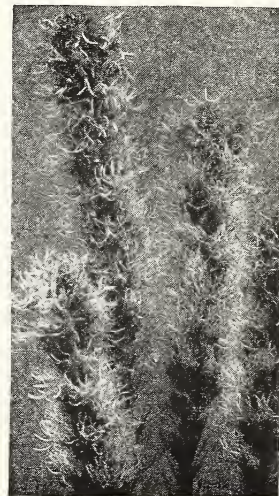
- 7—**Mahogany.** Large double flowers; velvet-toned, deep mahogany-red; the erect petaloids prettily crested. 50 cts. each; \$5.00 per dozen.

Unless noted, 35 cts. each; \$3.50 per dozen.
\$20.00 per 100 by express.

JAPAN IRIS SET OF THE 7 ABOVE (1 EA.)
By mail, for \$2.00; by express, for \$1.75.

Liatris Pycnostachya. (Blazing Star, or Gay Feather.) Unique, mid-summer flowers showing a blaze of light rosy purple from tip to base of each feathery stalk. 4 to 5 ft. 25 cts.; \$2.50 per doz.

Lathyrus Latifolius. (Hardy Perennial Pea.) A good climbing perennial. Its tendrils cling well to lattice work, but the plant is happiest unrestrained. It makes a splendid covering for wild, rough spots, scrambling hurriedly over stumps and stones and broken ground, concealing their unsightliness with a mantle of fresh green. The numerous, large flowers are typical peas but scentless, in dense clusters, continuous and long-lasting either on the vine or cut. Offered in separate colors, **Red, Pink or White.** 25 cts. each.
\$2.50 per dozen.



Liatris

Our Japanese Iris Collection is without a peer.

HARDY LILIES—to Glorify Your Garden

STATELIEST and most aristocratic of all garden plants. Most lilies will succeed in any light, sandy or loamy soil if sufficiently enriched and properly drained. Decayed peat and leaf mold is often successfully mixed with the other soil. Well rotted cow manure is best, thoroughly mixed in; followed in after years by top dressing. Fresh manure must be avoided.

Auratum. (Gold Banded Japan Lily.) Flower heads are large, with broad petals gracefully recurved. White, thickly studded crimson-maroon, with a wide gold band down the center of each petal. Improves with age. 30 cts. each; \$3.00 per dozen. Extra large, 40 cts. each; \$4.25 per dozen.

Batemanni. (Turk's Cap.) A strong, handsome type. Grows 3 to 4 feet tall, with from five to ten flowers in July-August. Color reddish orange, stained apricot. 30 cts. each; \$3.00 per dozen.

Elegans Mixed. Stems 1½ feet high. The dominant color is orange red, but our mixture shows considerable variety as to shades and spotting. 25 cts. each; \$2.50 per dozen.

Henryi. (Yellow Speciosum.) One of the finest hardy Lilies, of strong, vigorous growth, with flower stalks 3 to 5 feet long; deep apricot-yellow, lightly spotted brown. 60 cts.; \$6.50 per dozen.

Krameri. Beautiful trumpet shaded flowers, exceedingly fragrant; bluish pink. A very dainty and pleasing variety. 60 cts.; \$6.50 per dozen.

Longiflorum Giganteum. Snow-white trumpets during June and July, in great abundance. 30 cts. each; \$3.00 per dozen. Extra large, 50 cts. each; \$5.00 per dozen.

The Regal Lily. (*Lilium Regale*.) A commercial forcing type, of recent introduction from China. The exquisitely perfumed flowers are white, slightly suffused with pink; with a beautiful glow of canary yellow at center, which continues part way up the trumpet. In the garden it commences to bloom in June, with the main crop in July. Hardier than most kinds. **First size**, 2-yr. flowering bulbs, 50 cts. each; \$5.00 per dozen.

Extra large, strong 3-yr., 65 cts. each; \$6.50 per doz.

Rubellum. Very pretty dwarf bedder; blooms early and liberally, with charming rose pink flowers about 3 inches long. 60 cts. each; \$6.50 per dozen.

Speciosum Album. Pure white with a green band traversing the center of each petal. 40 cts. each; \$4.00 per dozen.

Speciosum Rubrum. This is one of the joys of



August; ruby spots distributed over a broad expanse of white, 25 cts.; \$2.50 per doz.; \$20.00 per 100.

Superbum. Runs from 3 to 6 feet in height, its nodding crests adding to the general brilliance of July, with from five to forty handsome orange-red blooms. 20 cts. each; \$2.00 per dozen; \$15.00 per 100, by express.

Tigrinum Splendens. The dear old single "Tiger Lily." 20 cts. each; \$2.00 per dozen.

Tigrinum fl. pl. (Double Tiger Lily.) The same rich orange and black, but doubled petalage. 20 cts. each; \$2.00 per dozen.



Longiflorum



Auratum



Speciosum Rubrum

The Regal Lily is in great demand. We have a fine supply but order early.

LILY OF THE VALLEY

The Lily of the Valley will thrive and throw up its beautiful, modest, fragrant white bells in any kind of soil. It will make a carpet of refreshing green, daintily patterned by its pervading flower sprays, in those shady and cold spaces otherwise lost to ornamentation around every house and in the little nooks and angles too small for coarser and more ambitious plants. The bloom occurs in late spring and early summer.

Large Pips. 50 cts. per dozen; \$3.50 per 100.
\$30.00 per 1,000



Lily of the Valley

LOBELIA—Cardinalis (Cardinal Flower). Intense cardinal-red flowers arranged in stocky spikes 15 to 18 inches long, keep the plant aflame throughout August and September. Naturalizes easily in widely varied soils and degrees of light and moisture.

—**Syphilitica.** Early fall blooming dull blue flowers. 20 cts. each; \$2.00 per dozen.

LYCHNIS—Chalcedonica (Maltese Cross). Heart-lobed stars of brightest vermilion, arranged in large flat panicles. 2½ feet—20 cts. each; \$2.00 per dozen.

By express—\$15.00 per 100.

—**Viscaria Splendens** (Lamp Flower). Evergreen foliage; in June and July fairly ablaze with close spikes of crimson flowers. 25 cts.; \$2.50 per dozen; \$18.00 per 100, by express.

WATER LILIES for Ponds and Pools



Water Lily (*Nymphaea Odorata*). The well-known white fragrant Pond Lily. 50 cts. each; \$5.00 per dozen.

Water Hyacinths (*Pondetaria*). Very interesting and beautiful, floats on the surface of the water and produces fine spikes of rosy lilac orchid-like flowers. 35 cts. each; \$3.50 per dozen.

Lythrum Roseum Superbum. Shrubby perennial 2 to 5 feet, at its best in cool and moist location although quite successful in the average border and among shrubs. Bright rose-colored flowers are borne freely in long terminal racemes from June intermittently to September. 20 cts. each; \$2.00 per dozen.

Monarda, Cambridge Scarlet. Brilliant crimson-scarlet flowers on showy plants 2 to 3 feet high. They do well in any kind of soil and have foliage with pleasant aroma. Blooms July and August. 20 cts. each; \$2.00 per dozen.

Monarda Rosea. An attractive rose-colored variety of the above. 25 cts. each; \$2.50 per dozen.

Myosotis Palustris The true "Forget-me-Not," appealing in its modest azure beauty, and cherished for its sentiment. Bushes up to 18 inches high and blooms profusely during early summer. 15 cts.; \$1.50 per dozen; \$10.00 per 100, by express.

Hardy Myrtle (*Vinca Minor*). A trailing evergreen plant used extensively for carpeting the ground under shrubs or trees where it is too shady for grass or other plants to thrive. 15 cts. each; \$1.50 per dozen. By express—\$10.00 per 100.

Pachysandra Terminalis. (Japanese Spurge.) One of the best ground covering plants particularly valuable in shade, averaging 6 to 8 inches in height and branching freely into a dense mat. Its shapely, indented foliage is practically evergreen; thick, rubbery, lustrous dark green. It bears small spikes of light colored flowers during May and June. 20 cts. each; \$2.00 per dozen. By express—\$12.00 per 100; \$100.00 per 1,000.

PAPAYER, Orientale. Illustrated in colors inside back cover. Brilliant "Oriental Poppy" with immense, flaming flowers of orange scarlet, in early spring. 25 cts.; \$2.50 per dozen.

—**Princess Victoria Louise.** Large, ruffled salmon pink. 25 cts.; \$2.50 per dozen.

—**Mrs. Perry.** A beautiful salmon-rose. (See inside back cover.) 25 cts. each; \$2.50 per dozen.

—**Nudicaule.** The "Iceland Poppies" bloom with extravagant freedom during early summer, and in lesser degree throughout; 2-inch saucer-shaped flowers, on slender stems, making delightful bouquets, as well as a vivid garden show. **Orange, White and Yellow.** 20 cts. each; \$2.00 per dozen. By express—\$15.00 per 100.

PENTSTEMON. Border and rocky plants of long summer blooming season, the flowers somewhat resembling Foxglove, in uncrowded upright spikes.

—**Digitalis.** (3 to 4 feet.) White tinted with purple, rather large, abruptly inflated. 20 cts. each; \$2.00 per dozen.

—**Gordoni Splendens.** (1 to 2 feet.) Inch long flowers broad at the mouth, bright blue to purplish. 25 cts. each; \$2.50 per dozen.



Lythrum

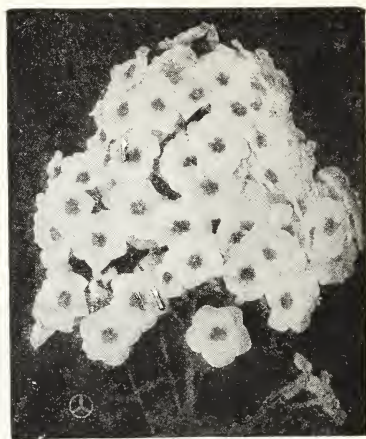
We have over 1200 acres in Nursery Stock.



Miss Lingard



Bacchante



Bridesmaid

HARDY PHLOX—All reliable bloomers

PERENNIAL Phloxes can be used to advantage in the hardy border, in large groups on the lawn, or planted in front of belts of shrubbery, where by judicious pinching back and removing faded flowers, a constant succession of bloom may be had until frost.

Strong field grown roots.

Price per dozen = 10 × each rate.

Unless noted, 20 cts. each; \$2.00 per dozen.

By express—\$16.00 per 100.

Bacchante. Not a new variety but still considered one of the very good sorts; tyrian rose with a crimson eye. 25 cts.; \$2.50 per dozen.

B. Comte. Brilliant, rich and highly pleasing to the eye; French purple. 25 cts. each; \$2.50 per dozen.

Bridesmaid. Beautiful trusses, with cup-shaped florets; flushed white, with large crimson eye.

Champs Elysee. Bright magenta purple.

Dr. Koningshofer. Fiery orange scarlet with blood-red eye. 50 cts. each; \$5.00 per dozen.

Eclaireur. Purple crimson, with light aureole. A reliable kind for continuous, deep color effect.

Ferdinand Cortez. Deep crimson, overlaid coppery bronze towards the center.

Europa. A strong, sturdy and distinct variety; white, with pronounced crimson-carmine eye. 25 cts. each; \$2.50 per dozen.

Fraulein G. Von Lassburg. Moderate height, flowers and trusses of extreme size, purest waxy white.

Giant Rose. Immense florets in even trusses, the prominent carmine center lightly haloed, petals otherwise a soft rose pink. 25 cts. each; \$2.50 per dozen.

Sir Edwin
Landseer

Harmony Collection of

HARDY PHLOX

BED 9'x6'

PLANTS 18" APART

6 Mrs. CHARLES DORR (TALL)

3 RHEINLANDER

3 Sir. E. LANDSEER

6 RICHARD WALLACE

6 LORD RALEIGH
(DWARF)

24 Plants

\$3⁷⁵

You can find everything you want for yard or garden in this catalog.

PHLOX—Continued

Jules Sandeau. A magnificent variety of most reliable blooming habit, altho of moderate height. The flowers are extremely large, made up into broad trusses of delightful appearance; the color a soft lilac pink. 40 cts.; \$4.00 per dozen.

La Vague. Immense, conical heads borne in great profusion. Warm mauve with emphatic carmine eye; giving a general effect of lilac.

Lord Raleigh. Dwarf border type; good sized trusses of medium florets; light purplish violet. At its best towards evening, or in cloudy weather.

Miss Lingard. Longest spikes of any Phlox—blooms from the ground up; the earliest blooming, sweetly fragrant. Waxy white, with small lavender eye.

Mrs. Charles Dorr. Extra tall; with extra long, compact, pyramidal spikes of moderate sized florets. Its color is unique and attractive, a solid blue-mauve.

Mrs. Wm. Jenkins. An early and free bloomer, one of the best tall varieties. Flowers pure white.

Rheinlander. A rare salmon-pink, intensified by a distinct claret-red eye. Big flowers and truss. Illustrated in color inside back cover.

Richard Wallace. A thrifty, violet-eyed white.

Rosenberg. A tall grower, very showy with its large, round and somewhat distended trusses in the conspicuous color of wine purple. The predominance of red or purple, varies according to the sun. 25 cts.; \$2.50 per dozen.

Ryndstrom. A lively Neyron shade of rose-pink. The standard solid deep pink variety.

Sir Edwin Landseer. A delightful blending of rosy carmine, soft red and salmon. 25 cts.; \$2.50 per dozen.

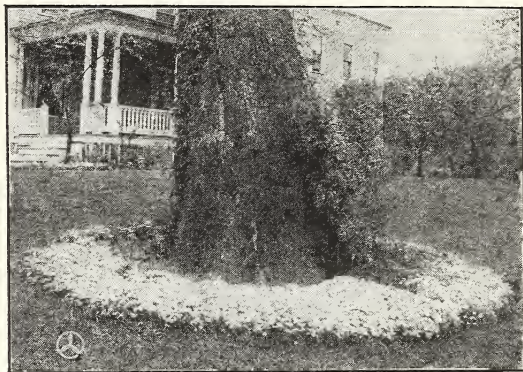
Special France. A recently new sort with beautiful, even trusses, the florets very large. Color tender rose to bluish pink, given distinction by the large eye of carmine-rose.

Thor. A charming variety with very large flowers; soft, ruddy salmon with a bleached mottling about the eye of aniline red. 25 cts. each; \$2.50 per dozen.

Unless noted, 20 cts. each; \$2.00 per dozen.



Special France



Phlox Subulata—one of the first to bloom in Spring

PHLOX SUBULATA

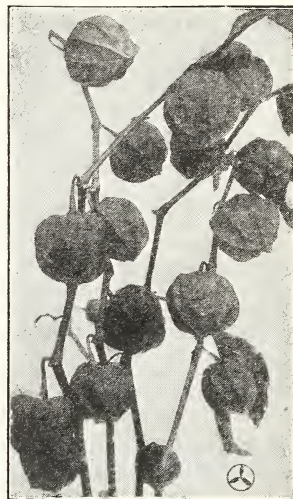
Ground covering, creeping phlox, or "Moss Pink." Often used for covering graves, surrounding old stumps and even large growing trees.

Rosea. Bright rose-pink flowers.

Alba. White.
20 cts. each; \$2.00 per dozen.

PHYSALIS FRANCHETI

A unique and interesting novelty plant, grown for the high-colored, bladder-like fruits which cover the bush in late summer and autumn. These fruits average 1½ to 2 inches in diameter, are a brilliant orange red when ripe, and by reason of their shape and texture, the bush is popularly called the "Chinese Lantern Plant." Branches of fruit may be dried for winter decoration.
20 cts. each; \$2.00 per dozen.



"Chinese Lantern Plant"

PHYSOSTEGIA. Handsome mid-summer flowering plants, 2 to 4 feet high; bearing broad trusses of tubular flowers of delicate but conspicuous beauty.

—**Speciosa Alba.** Pure white, very large, dense.

—**Virginica.** Delicate purplish rose.
20 cts. each; \$2.00 per dozen.

See Our Mail Order Bargain Collection
Page 75.



Physostegia

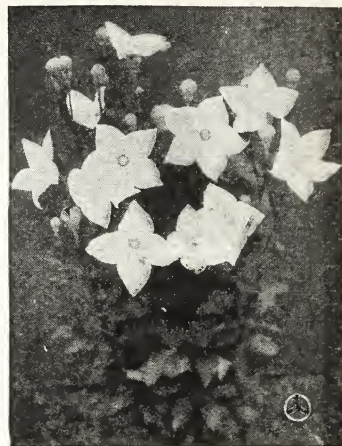
Phlox Subulata makes an excellent ground covering.



PLATYCODON Grandiflorum (Balloon Flower). Blooms constantly from July until late in September; flowers large bell-shaped, in numerous loose racemes. **Blue or White.** 15 cts. each; \$1.50 per dozen.

—**Mariesi.** Numerous, 2-inch dark blue bells. Dwarf growing; one of the most useful border plants. 15 cts. each; \$1.50 per dozen. By express—\$10.00 per 100.

Plumbago Larpentae (Lead-wort). An attractive 12-in. edging plant. The tiny leaves of apple green are a rich setting for spiky red buds, and clusters of phlox-like cobalt blue flowers late in summer. 20 cts.; \$2.00 per dozen. By express—\$18.00 per 100.



Platycodon Mariesi
—the Dwarf Balloon Flower

POLYANTHUS—Giant Yellow. A favorite garden form of hardy Primrose, resplendent throughout the spring months with full racemes of large golden yellow flowers. 35 cts.; \$3.50 per dozen. By express—\$25.00 per 100.

—**Crimson Giant.** Red, variegated with yellow. 35 cts.; \$3.50 per dozen. By express—\$25.00 per 100.

Pyrethrum Hybridum. (Painted Daisy.) A very satisfactory and profitable species which provides not only a colorful garden show from June on throughout the summer, but also a charming cut flower. The flower construction varies from a full petaled anemone shape, thus resembling the Marguerites, to a larger size in plain single. The colors are mostly bright in shades of red and pink, a mixture revealing considerable diversity which increases their effectiveness. 20 cts.; \$2.00 per dozen. By express—\$15.00 per 100.

RUDBECKIA—"Golden Glow." 5 to 7 feet. Double, golden-yellow flowers, early summer until frost. 20 cts. each; \$2.00 per dozen.

—**Purpurea** (Purple Cone-flower). Large drooping petals colored reddish purple, with a remarkably

large cone-shaped center of brown, thickly set with golden tips in spiral lines. 2 to 3 feet—20 cts.; \$2.00 per dozen.

SEDUM (Stone Crop). Hardy plants which can be used to advantage in poor, sandy or rocky soil, which would be otherwise barren.

—**Acre** (Golden Moss). Very dwarf and compact, largely used for edging, or for carpeting graves. Foliage green, the all-covering flowers bright yellow. 15 cts. each; \$1.50 per dozen. By express—\$10.00 per 100.

—**Spectabilis.** Of upright growth, 15 to 18 inches high. Foliage, rounded, thick and rubbery, crowned with massive flat cymes of light rose-colored flowers. 20 cts.; \$2.00 per dozen. By express—\$15.00 per 100.

—**Brilliant.** A new form of above, with dark crimson flowers. 25 cts.; \$2.50 per dozen. By express—\$18.00 per 100.

SPIREA JAPONICA-AMERICA

One of the most trustworthy Astilbes

Charmingly conspicuous during late summer with its wide flung, dense sprays of deep pink. 35 cts. each; \$3.50 per dozen.

Spiraea Ulmaria (Meadow Sweet). Adapted best to partially shaded, moist location; its handsome foliage and three foot plumes of double white flowers at their best in July. 20 cts.; \$2.00 per dozen.

Stachys Lanata (Woundwort). Strong foliage contrast; the dense leafage being a sheeny silver white, with the wooly surface and substance of felt. Small spikes of light purple flowers appear in July and August. 1 foot—20 cts.; \$2.00 per doz.

Statice Latifolia (Sea Lavender). Grows 15 to 18 inches high in clumps of thick, leathery foliage, with loose panicles of tiny delicate blue flowers, in heads 18 inches or more across. Will last for months if carefully dried. 25 cts.; \$2.50 per dozen.



Polyanthus Giant Yellow

FOR BETTER FLOWERS

Use Armour's LAWN and GARDEN Grower.

It is a highly concentrated, completely balanced, mineral plant food. If you would have your gardens the envy of your neighbors, feed them. See Page 140.

All perennials listed in this catalog are hardy in the Great Lakes Region.

Stokesia Cyanea (Stoke's Aster). July to October. Flowers of Centaurea shape, often measure 4 to 5 inches across, bright lavender blue. 1½ to 2 feet. 20 cts. each; \$2.00 per dozen.

THALICTRUM (Meadow Rue.) Fine cut foliage and great spreading heads of small flowers corresponding in a way with Gypsophila and Statice.

—**Adiantifolium**. (2 ft.) Foliage like Maiden-hair fern. Charming flower sprays in June or July, a tinted white.

30 cts. each; \$3.00 per dozen.

Tradescantia Virginica Alba. (Spiderwort.) 2 feet. Richly green foliage and clustered white blossoms an inch wide; all summer. 15 cts. each; \$1.50 per dozen.

TRITOMA. (Red Hot Poker.) Rush-like foliage supports smooth thick flower stalks a yard long, with a single fiery cone at the top. Must be protected or else carried dormant in dry sand during winter.

—**Pfitzeri**. Brilliant scarlet, the opened lower petals rimmed with orange. July-September. 25 cts. each; \$2.50 per dozen.

—**Quartiniana**. A thick stalked variety, blooming late in May. Orange red at first, but yellow on bottom half as bloom matures. 30 cts. each; \$3.00 per dozen.

VERONICA (Speedwell). Useful for low borders.

—**Longifolia Subsessilis** (Blue Bird Flower). 2 feet. Leaves roughened bronze-green. Thick spikes of indigo blue, borne abundantly from July on. 20 cts. each; \$2.00 per dozen.

VIOLA (Tufted Pansy). Dwarf edging plants which combine features of both Violet and Pansy. Occasional shearing perpetuates the blooming period.

—**Cornuta Admiration**. Rich dark wine purple.

—**White Perfection**. Clear, waxy white.

—**Mrs. G. Wermig**. A brilliant violet blue hybrid. 15 cts. each; \$1.50 per dozen. By express—\$10.00 per 100.

Yucca Filamentosa. (Spanish Bayonet.) The broad sword-like foliage is evergreen; while mid-summer shows

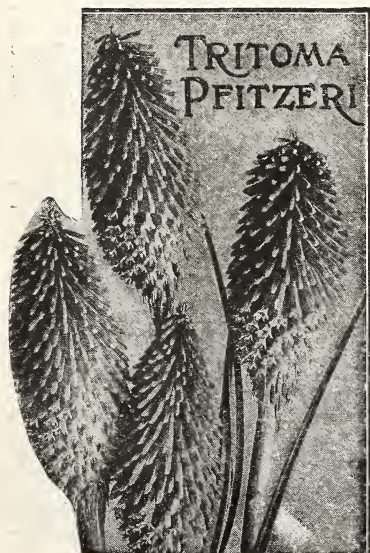


Hacker's Variegated Leaf Yucca

great erect branching stems bearing a showy display of pendent, creamy white bells. 2-year, 25 cts. each; \$2.50 per dozen. 3-year, 35 cts. each; \$3.50 per dozen.

Hacker's Variegated Leaf Yucca.

Derived from Yucca Filamentosa, and conforming closely thereto in form, habit, and paniced bloom—which first occurs at three years on a rigid 3 to 4-foot stalk. The surrounding bayonet-like leaves are dark, bronze-green at center, breaking up with minor stripes to a broad outer edge of yellow. This foliage is permanent, assuming a contrastive purple tinge against winter's snow. A very striking punctuation plant among solid colors for summer show, and ranking with evergreens for winter usefulness; perfectly hardy in extremes of either cold or heat. Strong 1 year plants, \$1.00 each; \$10.00 per dozen.



The "Red Hot Poker"



Veronica Longifolia Subsessilis



Spirea Ulmaria

The "Red Hot Poker" is one of the most brilliantly colored plants in existence.

HARDY ORNAMENTAL TREES For

Shade and Beauty



THE succeeding lists represent the most favored trees for lawn adornment, and the best types for street and grove plantings. We will be pleased to quote prices to anyone desiring different sizes or stock in larger quantities than offered herein. In sending list, state definitely the number of each variety and size wanted.

Five or more of one kind and size, at 10 rate; 25 or more at 100 rate.

We are always pleased to allow personal selection by our customers of particular ornamental trees, but in no such case will listed prices apply.

AILANTHUS. (Tree of Heaven.) Extremely rapid grower, palm-like leaves. Thrives in city lots exposed to gas and smoke, and in soils where other trees perish.

6 to 8 feet—\$1.50 each; \$12.00 per 10.

8 to 10 feet—1.75 each; 15.00 per 10.

AMELANCHIER, Botryapium. The charming "June-berry" or "Shadblow." Graceful, slender form, white in April with drooping snowy flowers, small edible purple fruit in June. 2 to 3 feet—75 cts. each; \$6.50 per 10.

ARALIA, Japonica. Handsome small tree. Foliage immense, finely divided; flowers in large white spikes in July.

3 to 4 feet—\$0.60 each; \$5.00 for 10.

4 to 6 feet—.75 each; 6.50 for 10.

6 to 8 feet—1.00 each; 8.50 for 10.

Specimens—\$2.00 to \$4.00 each.

ASH, American White. A tall rapid grower, smooth gray bark, glossy leaves. For parks and very good for streets.

	Each	Per 10	Per 100
6 to 8 feet.....	\$0.85	\$ 7.50	\$ 70.00
8 to 10 feet.....	1.00	9.00	85.00
10 to 12 feet.....	1.25	11.00	100.00
Larger selected,	\$2.50 to \$5.00 each.		



The White Ash as a Street Tree

Ash, Flowering. Small and neat-growing, with terminal panicles of fringe-like greenish white flowers in May or June.

6 to 8 feet—\$1.25 each; \$11.00 per 10.

8 to 10 feet—1.50 each; 14.00 per 10.

10 to 12 feet—2.00 each; 19.00 per 10.

BIRD CHERRY (*Prunus padus*). White flowers in May, followed by bright red fruit, much beloved by birds. It is one of the earliest to leaf in spring.

4 to 6 feet—\$1.25 each; \$11.00 per 10.

6 to 8 feet—1.50 each; 14.00 per 10.

BIRCH

Cut-Leaved Weeping. Its tall, slender, yet vigorous growth, graceful drooping habit, silvery white bark and delicately cut foliage presents a combination of attractive characteristics rarely met with in a single tree. Very popular for single lawn specimens or groups of 3 or 4 trees; the white bark of trunk and twigs gleaming conspicuously among the darker greens and browns.

5 to 6 feet—\$2.50 each; 6 to 8 feet—\$3.00 each.

Scotch. (European White.) Similar to the American or Canoe Birch, with slender branches and conspicuous silvery bark. After a few years growth assumes a graceful weeping habit, adding greatly to its beauty. 6 to 8 ft.—\$2.00 each; \$19.00 per 10. 8 to 10 ft.—\$2.50 each; \$22.00 per 10.

CATALPA

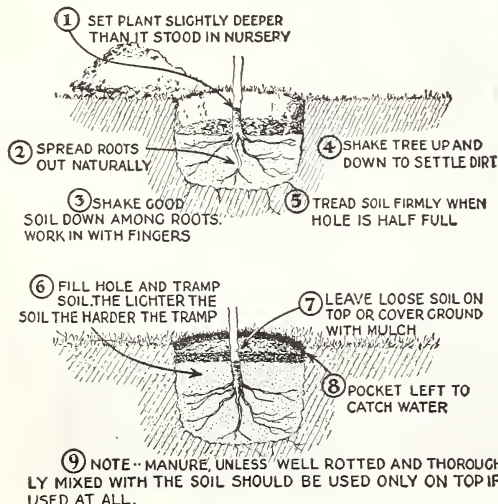
Price of Catalpas

	Each	Per 10
Bungei (Grafted), 5 to 6 feet.....	\$1.75	\$15.00
Bungei (Grafted), 6 to 8 feet.....	2.00	17.50
Bungei Dwarf, 2 to 3 feet.....	1.25	....
Speciosa—2 inch diameter.....	2.00	17.50
Speciosa—2½ inch diameter.....	2.50	20.00
Speciosa—1 year, by express—\$1.25 per 100; \$10.00 per 1,000.		
By mail—10 for 50 cts.; 100 for \$2.00.		

Catalpa Bungei. (Umbrella Catalpa.) Grafted on stems 5 to 8 ft. high, it makes an umbrella-shaped top without pruning. Perfectly hardy, and flourishes in all soils and climates. Leaves large, glossy, heart-shaped, deep green, lying like shingles on a roof; always making a symmetrical head. Usually set in pairs on opposite sides of a walk, entrance, etc.

Dwarf Bungei. Worked low; making a handsome dwarf specimen, with all the wealth of green foliage found in the standard form, clear to the ground.

HOW TO PLANT TREES and SHRUBS



We have over 200 acres of land in Deciduous Ornamental trees.

CATALPA—Continued

Speciosa. Valuable for timber, fence posts, railroad ties, etc., on account of rapid growth and durability. Large heart-shaped, downy leaves, and compound panicles of white flowers, tinged with violet and dotted with purple and yellow.

FLOWERING CHERRIES

Japan Weeping. A weeping form worked on 4 to 6 feet stems, the pendulous limbs drooping to the ground. A beautiful object when covered with its rosy masses of bloom in early spring. \$3.50 each.

Double White Flowering Cherry. A charming small tree with branches completely covered with a mass of large double white flowers in May. 3 to 4 feet—\$2.00 each; 4 to 5 feet—\$2.50 each.

Mt. Fuji. Comparatively dwarf growing, otherwise a typical Japanese flowering cherry; flowers large semi-double, at first white, turning to blush. 3 to 4 feet—\$2.25 each; 4 to 5 feet—\$2.50 each.

Rhexi fl. pl. A pretty dwarf tree with rose-like double white flowers completely covering the tree in May.

3 to 4 feet—\$2.00 each; 4 to 5 feet—\$2.50 each.

Sieboldi. A small tree having double white flowers with pink petal tips.

3 to 4 feet—\$2.00 each; 4 to 5 feet—\$2.50 each.

CORNUS (The Dogwoods)

CORNUS Florida. (White Flowering Dogwood.) Flowers white, 3 to 3½ inches in diameter, produced in spring before leaves appear; very abundant, showy and durable. Foliage grayish green, glossy and handsome; in the autumn turning to deep red. Spreading, irregular form, growing 20 to 25 feet high. Used with telling effect in tall shrub backgrounds and corner groups, to inject sparkling white bloom in spring, and for crimson autumn foliage. 2 to 3 feet, 75 cts.; \$6.50 per 10. 3 to 4 feet, \$1.25; 10 for \$11.00. 4 to 5 feet, \$2.00; 10 for \$18.00.

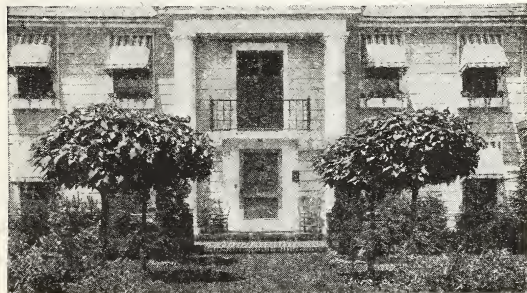
Cornus Florida Rubra. (Red Flowering Dogwood.) More formally shaped, with handsome red flowers. An attractive lawn specimen or group subject. Shipped out "Balled and Burlapped." 2 to 3 feet—\$3.00 each; 3 to 4 feet—\$4.00 each.

FLOWERING CRABS (Pyrus)

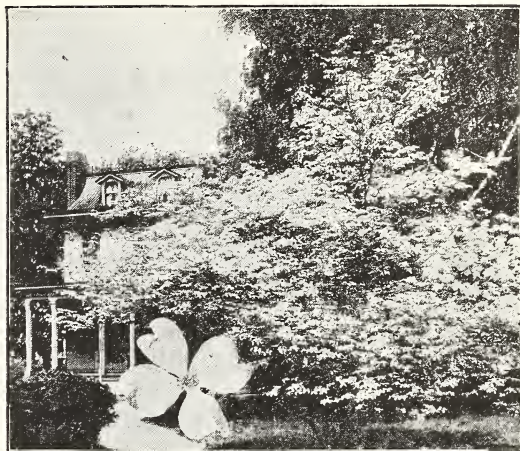
Rounded, compact, small trees, largely used in lawn groups and high shrub borders, for their profuse early bloom; their dense, glossy, handsome foliage which colors richly; and their ornamental fruits.

Arnoldiana. A popular variety; early flowering semi-double, pink; with splendid foliage and yellow fruit.

2 to 3 feet—\$1.25 each; 3 to 4 feet—\$1.50 each.



Catalpa Bungei Along Entrance Walk (See Page 50)



Cornus Florida

Atrosanguinea. Makes a beautiful contrast to the other varieties by reason of its darker red flowers. The buds are deep purplish red, and the entire flower tinged purplish.

2 to 3 ft.—\$1.00; 3 to 4 ft.—\$1.25; 4 to 5 ft.—\$1.50.

Coronaria. (Wild Crab Apple.) A pretty, round-headed tree, with spiny branches, and attractive heart-shaped, serrated leaves. The opening leaf buds show a ruddy bronze, passing to rich green and turning back in autumn to bronze and yellow. Clustered rose-pink flowers, and yellowish fruit.

2 to 3 ft.—\$1.00; 3 to 4 ft.—\$1.25; 4 to 5 ft.—\$1.50.

Bechtel's Crab



Bechtel's. Makes a medium-sized tree; perfectly hardy, succeeds well in all soils not extremely wet. When in bloom

appears to be covered with delicate pink, perfectly double small roses of delicious fragrance. The only

sweet-scented double Crab. 2 to 3 feet—\$1.00; 3 to 4 feet—\$1.25; 4 to 5 feet—\$1.75. Mail size—75 cts; 3 for \$2.00

Floribunda. A large shrub or small tree, often thorny, with rose-red flowers borne in great profusion in May. The fruit is red and very small. 2 to 3 ft.—\$1.00; 3 to 4 ft.—\$1.25; 4 to 5 ft.—\$1.50.

Floribunda Purpurea. A beautiful form with darker red flowers. 2 to 3 feet—\$1.00; 3 to 4 feet—\$1.25; 4 to 5 feet—\$1.50.

Niedzwetzkyana. Purplish foliage, the wood and bark also tinged with red. Extra large flowers deep pink, the edible fruits purple. 2 to 3 feet—\$1.25; 3 to 4 feet—\$1.50.

Parkmani. (Halliana.) An elegant Japanese dwarf with long-stemmed, semi-double flowers of deep rose color wreathing its branches.

2 to 3 feet—\$1.25; 3 to 4 feet—\$1.50.

We are always glad to quote prices on trees in large quantities.

THE ELMS

American. A noble native tree of great size and wide spread, with graceful drooping branches and handsome leaves. One of the best tree types for towering, heady effect and wide-spread shade, in the yard itself. Indispensable to shaded parks, and largely used along the sides of wide avenues.

Camperdown, Weeping (1 year head). Its vigorous irregular branches, which have a uniform weeping habit, overlap so regularly that a compact, roof-like head is formed. Leaves are large, glossy, dark green. The finest weeping Elm and one of the best trees.

Scotch. A rapid-growing spreading tree, with large, rough, dark green leaves.

PRICE OF ELMS

	Each	Per 10	Per 100
American, 6 to 8 feet.....	\$1.25	\$11.00	\$ 99.00
American, 8 to 10 feet.....	1.75	15.00	130.00
American, 10 to 12 feet.....	2.25	20.00	175.00
Camperdown, Weeping, 1-year head	3.00	.....	.....
Scotch, 6 to 8 feet.....	2.00	16.00	.....
Scotch, 8 to 10 feet.....	2.25	18.00	.....
Scotch, 10 to 12 feet.....	2.50	20.00	.....

Selected specimens—\$3.00 to \$6.00 each.

EUONYMUS, Europaeus. (European Spindle Tree.) 15 ft. In spring it is covered with a wealth of bright yellow flowers in nodding clusters, followed by brilliant rose-colored berries, which hang in clusters from the branches till mid-winter. The leaves color a beautiful crimson-scarlet in fall. Stems and leaves are always a dark, polished green.

3 to 4 feet—\$0.75; 10 for \$6.50.

4 to 5 feet—1.00; 10 for 9.00.

—**Bungeanus.** Tall growing shrub with slender branches and finely serrate 2 to 4-inch leaves. Flowers appear in numerous small forked cymes; succeeded by large, deeply lobed fruits



The Elm, Most Beautiful of all Shade Trees

which show pink, with white seeds and orange arils.

3 to 4 feet—70 cts.; 10 for \$6.00.

4 to 5 feet—90 cts.; 10 for 8.50.

HACKBERRY. Its light green leaves are glossy, pointed, almost entirely free from insects; the branches spread horizontally, forming a wide, elm-shaped head of medium size. Vigorous, hardy and healthy, thriving in all soils.

6 to 8 feet—\$1.50; 8 to 10 feet—\$2.00.

HORSE CHESTNUT, White Flowering. The handsome European species; has magnificent spikes of white flowers borne in great profusion and sweetly scented.

4 to 5 feet—\$1.50; 5 to 6 feet—\$2.00.

Selected specimens—\$3.00 to \$7.50 each.

HONEY LOCUST. A large, vigorous tree, with wide-spreading branches, fern-like leaves, and a stout armament of thorns. Makes a fine defensive hedge. 4 to 6 feet, 75 cts.; 10 for \$6.00; 6 to 8 feet, 95 cts.; 10 for \$8.00. 1 year, by express, \$2.00 per 100; \$15.00 per 1,000; by mail, 60 cts. per 10; \$2.50 per 100.

BLACK LOCUST. A native tree of large size, and rapid growth. Flowers in long white racemes, very fragrant. Valuable for timber. 6 to 8 feet, 75 cts. 1 year, by express, \$1.50 per 100; \$12.00 per 1,000; by mail, 10 for 60 cts.; 100 for \$2.00.

JUDAS TREE. (Red Bud.) A small growing tree of irregular form, with heart-shaped leaves. It is covered with bright pink blossoms early in spring before the leaves appear; and is largely used in groups of shrubs and small trees to give color for this early season.

4 to 5 feet—\$1.50 each; 10 for \$14.00.

3 to 4 feet—1.25 each; 10 for 11.00.

LINDENS

American. A stately tree, growing 60 to 80 feet tall, with large, shining cordate leaves. Valuable for its beautiful white wood. Its flowers appear in July. 6 to 8 feet—\$2.50; 8 to 10 feet—\$3.00.

European. Largely used for street and ornamental planting, developing into beautiful specimens.

8 to 10 feet—\$3.00 each; \$27.50 per 10.

Selected specimens above—\$3.50 to \$7.50 each.



European Linden

Plant Trees to frame the view of your home.

THE MAPLES

Price of Maples

	Each	Per 10	Per 100
Ash-leaved, 6 to 8 feet.....	\$1.00	\$ 9.00	.....
Ash-leaved, 8 to 10 feet.....	1.25	11.00	.....
Ash-leaved, 10 to 12 feet.....	2.00	17.50	.....
Norway, 8 to 10 feet.....	3.50	30.00	.....
Norway, 10 to 12 feet.....	3.75	35.00	.....
Silver-leaved, 6 to 8 feet.....	1.35	12.00	\$100.00
Silver-leaved, 8 to 10 feet.....	1.50	13.50	.....
Silver-leaved, 10 to 12 feet.....	2.00	18.00	.....
Sugar or Rock, 6 to 8 feet....	2.25	20.00	.....
Sugar or Rock, 8 to 10 feet....	2.50	22.50	.....
Sugar or Rock, 10 to 12 feet....	3.00	27.00	.....
Siberian (Ginnala), 3 to 4 feet..	1.25	.....	.....
Sycamore-leaved, 8 to 10 feet..	1.75	15.00	.....
Sycamore-leaved, 10 to 12 feet..	2.25	20.00	.....
Wier's Cut-leaf, 6 to 8 feet....	1.75	15.00	.....
Wier's Cut-leaf, 8 to 10 feet....	2.25	20.00	.....
Wier's Cut-leaf, 10 to 12 feet...	3.00	27.00	.....

Selected specimens above—\$3.00 to \$10.00 each.

Ash-Leaved. (Box Elder.) A rapid-growing variety; with light green foliage and spreading head, very hardy; desirable for street planting and succeeds in many sections where other varieties do not.

Norway. Native of Europe; a large, handsome tree, with broad, deep green, shining foliage. Very desirable for street, park or lawns. The Norway Maple characteristically makes the roundest head; is colored the deepest, coolest green; and furnishes the densest shade of the entire list of good trees.

Silver-Leaved. A hardy, rapid-growing, beautiful native tree of large size. Valuable for producing a quick shade. Unfortunately, stock of this well-known and liberally planted type is becoming so scarce, the price has doubled during the past few years.

Sugar or Rock Maple. This tree is chieftain of its clan; straight, spreading, symmetrical, of grand proportions, often 120 feet in height and longer lived than most men who plant it. It grows well in all except damp, soggy soils, and roots deeply, allowing grass to grow close about its trunk. Its bold leaves have rich autumn tints of clear-yellow and scarlet.

Siberian (Ginnala). More like a large shrub, with three-lobed leaves and flowers in long panicles. Foliage turns bright red in autumn, a good substitute for the Japanese Maples.



Norway Maple

Sycamore Maple. A broad, handsome tree of medium size, rarely over 60 feet high, with larger, darker leaves than other Maples. Casts a dense, cool shade.

Wier's Cut-Leaved. A silver Maple with remarkable and beautifully dissected foliage. Of rapid growth; shoots slender and drooping; very graceful.

MAGNOLIAS

Glaucia. (Sweet Bay.) When planted in moist soil this makes a handsome tree, 30 to 40 feet high. Its leaves are glossy, laurel-like, almost evergreen. In June its pure white flower cups are lovely and fragrant.

With Ball—2 to 3 feet—\$3.00 each; \$27.50 per 10.

With Ball—3 to 4 feet—3.50 each; 30.00 per 10.



Flower and Leaf of "Sweet Bay"

TREES for VARIOUS PURPOSES

For Street or Avenue Planting

Ash	Pin Oak
Linden	Hackberry
Ginkgo	Sycamore
Elms	Maples

Weeping Trees

Weeping Mulberry
Cut-leaved Weeping Birch
Babylonica Willow
Thurlow's Willow
Wisconsin Willow

Trees for Quick Effect

Box Elder	Mulberry
Catalpa	Poplar
Silver Maple	Willow

Trees for Dry Places

Junipers (Evergreen)	
Mugho Pine (Evergreen)	
Elm	Locust
Ash	Hackberry



Trees for Winter Beauty

Birch
Golden Willow
Evergreens

Trees With Attractive Autumn Foliage

Sugar Maple
Oaks

Trees for Moist Places

Birch	Oaks
Willow	Linden
Poplar	Elm
Ash	

All our trees are selected with care and are certain to give satisfaction.



Tea's Weeping Mulberry

MOUNTAIN ASH, European. Hardy tree; head dense and regular, beautiful fern-like green foliage; covered from July till winter with clusters of bright red berries. The combination of foliage and clustered fruits makes this one of the most striking and beautiful trees that grow.

6 to 8 feet—\$1.75; 8 to 10 feet, \$2.25.
10 to 12 feet—3.00; \$27.00 per 10.

—**Oak-leaf.** White flowers in May or June, followed by red berries. It grows slightly taller than the Mountain Ash and has a pyramidal form. Leaves are lobed, similar to Oak leaves. 4 to 6 feet—\$1.75.

MULBERRY, Tea's Weeping. Forms a perfect shaped head, with long, slender, willowy branches, drooping to the ground in light, airy gracefulness. It has beautiful foliage, is hardy, safe and easy to transplant. Admirably adapted for small or large grounds, or for cemetery planting. \$3.50 each.

OSAGE ORANGE. A medium sized spiny tree with spreading branches; rather large fern-like leaves of bright green which change to yellow in fall. Flowers are inconspicuous, but the succeeding



PIN OAKS

A Boulevard Planting of Pin Oaks

orange-like fruits are attractive. It is chiefly utilized as a close, thorny, stock-turning hedge plant and allowed to grow fairly tall.

By express—1 year No. 1, \$1.25 per 100; \$10.00 per 1,000. **By mail**—\$1.75 per 100.

OAK, Pin. Broadly pyramidal in habit, described as half-weeping when old, because its lower branches touch the ground. It grows comparatively fast up to 60 to 80 feet. The leaves are deep green, glossy, and finely divided; orange-scarlet in fall. One of the richest and finest boulevard trees.

10 to 12 feet—\$4.50 each; \$40.00 per 10.

—**Red.** 80 to 100 feet tall, large in leaf and quick in growth. The young shoots and leaf-stems are red, the foliage purplish crimson in autumn.

6 to 8 feet—\$3.00 each; 10 for \$27.50.

8 to 10 feet—4.00 each; 10 for 37.50.

10 to 12 feet—4.50 each; 10 for 40.00.

Selected specimens—\$5.00 to \$10.00.

FLOWERING PEACH. Double—Red and White. A beautiful small tree rarely over 20 feet tall; at its blossoming time in May every twig and branch bright with beautifully formed flowers.

2 to 3 feet—75 cts.; 10 for \$6.50.

3 to 4 feet—85 cts.; 10 for 7.50.

THE POPLARS

Aurea (Van Geerti). Fine golden yellow foliage, retaining its brilliancy throughout the season.

Balsam. (Balm of Gilead.) A remarkably rapid growing tree, with luxuriant, glossy foliage.

Bolleana. Useful in breaking the monotony of lower round-topped trees. Will grow to a tall spire 80 feet high. Its leaves are glossy green, silvery beneath.

Carolina. A vigorous, native pyramidal tree of rapid growth, with large glossy leaves; valuable for quick shade. Makes a fine spreading head if well cut back the first few seasons.

Lombardy. The selective appreciation of trained landscape builders is getting this fine type into much more general use. Old trees which were thoughtfully placed, are outstanding landmarks today; their great height, dense slenderness, and sombre silhouette against the skyline, creating an impressive, picturesque old-world effect.



The striking upright form of the Lombardy Poplar is of great artistic value.

POPLARS—Continued

Norway. Very broad, triangular leaves with finely scalloped edges, smooth dark green. Makes a thick, broad-topped, shading tree of quick growth and great hardness.

Simoni. Of only medium height, although bushy and as rapid growing as other varieties. Foliage small, bluntly oval tapering toward the stem; very dark, lustrous green. The bark is uniquely stained with red. This tree is not very well known, but is appropriate and valuable for various landscape usages.

PRICES OF POPLARS

	Each	Per 10	Per 100
Aurea (Van Geerti), 6 to 8 ft.	\$ 1.00	\$ 8.50	.....
Aurea (Van Geerti), 8 to 10 ft.	1.25	10.00	.....
Balsam (Balm of Gilead)—			
6 to 8 feet.....	.60	5.00	.....
8 to 10 feet.....	.75	6.50	.....
Bolleana (Silver Leaf)—			
6 to 8 feet.....	1.50	12.50	.....
8 to 10 feet.....	2.00	17.50	.....
Carolina, 6 to 8 feet.....	.50	4.00	\$ 30.00
Carolina, 8 to 10 feet.....	.60	5.00	40.00
Carolina, 10 to 12 feet.....	.80	7.00	60.00
Lombardy, 6 to 8 feet.....	.85	7.50	65.00
Lombardy, 8 to 10 feet.....	1.00	8.50	75.00
Lombardy, 10 to 12 feet.....	1.40	12.50	100.00
Norway, 6 to 8 feet.....	1.25	10.00	.....
Norway, 8 to 10 feet.....	1.50	12.50	.....
Simoni, 6 to 8 feet.....	1.00	8.50	.....
Simoni, 8 to 10 feet.....	1.25	10.00	.....

PTELEA Trifoliata. (Hop Tree.) Small trees, 15 to 25 feet high, with glossy, trifoliate leaves that exhale a hop-like odor when bruised. This odor is even more noticeable in the seeds, which hang in hop-like light green clusters far into autumn. 3 to 4 feet—75 cts.; 10 for \$7.00. 4 to 6 feet—85 cts.; 10 for 7.50

ROSE ACACIA. (Moss Locust.) An elegant shrub, with light green pinnate leaves and long graceful clusters of pea-shaped, rose-colored flowers in June, often throughout the summer.

—Own roots (bush shape), 2 to 3 feet, 75 cts.



Rose Acacia Tree Form (Grafted). Top-worked by grafting on straight standard stock to make this shrub tree-shaped. Very attractive and desirable in this form.

3 to 4 feet—\$2.25; 4 to 5 feet—\$2.75.

RUSSIAN OLIVE. (Eleagnus Angustifolia.) Attains a height of 20 to 30 feet, bark dark green, wood very heavy and burns like a candle, foliage rich silver color, willow shape; fragrant, deep golden flower, followed by ornamental olive fruits. This small tree affords striking contrast among dark leaved associates.

2 to 3 feet—45 cts.; 10 for \$4.00.

3 to 4 feet—60 cts.; 10 for 5.00.

4 to 6 feet—75 cts.; 10 for 6.50.

SASSAFRAS. A native tree of irregular growth, seldom seen in ornamental plantings, but worthy of more consideration. The distinctive foliage of varied outline assumes beautiful tints in the autumn, and the horizontal arrangement of the twiggy branches presents a very attractive appearance.

4 to 6 feet—\$1.00; 6 to 8 feet—\$1.50.

SALISBURIA. (Ginkgo, or Maiden Hair Tree.) A rare elegant tree from Japan with singular, almost fern-like foliage unlike that of any other tree; of free growth, with angular, independent branches each quite distinct and noticeable against the sky line. 6 to 8 feet—\$2.50.



Russian Olive



Ginkgo Tree

The Ginkgo makes an excellent street tree.

EUROPEAN SYCAMORE. The well-known Oriental Plane. Used in great numbers to create vistas of dense green shade, along new streets which require quick development of shade and ornamentation. A lofty, wide-spreading tree with deeply lobed palmate leaves. The bark is an attractive grayish green during the summer; but enough of it sheds during the winter to give an interesting mottled appearance as the smooth, creamy white trunk is revealed.

	Each	Per 10	Per 100
6 to 8 feet.....	\$1.50	\$13.50	\$125.00
8 to 10 feet.....	2.00	18.50	175.00
Larger specimens, \$3.50 to \$6.00 each.			

TULIP TREE. (Whitewood.) One of the grandest of our native trees; of tall pyramidal habit, with broad, glossy fiddle-shaped leaves and tulip-like flowers; allied to the Magnolia.
5 to 6 feet—\$1.25.

THE FLOWERING THORNS



Double Thorns

Handsome dwarf trees with shiny leaves of attractive shape and color; blooming in profusion late in spring with compact clusters of small, rose-like flowers. These are followed by large red fruits and autumnal colorings.

Double Pink and Double White.

3 to 4 feet—\$1.50.

4 to 5 feet—2.00.

Paul's Double Scarlet.

Flowers deep crimson, with scarlet shade; very double.

3 to 4 feet—\$2.00.

4 to 5 feet—2.50.

Cordata. (Washington

Thorn.) Branches upright, forming a round topped head, leaves heart-shaped. Flowers white with rose-colored anthers.

3 to 4 feet—\$1.50; 4 to 5 feet—\$2.00.

PYRACANTHA LALANDI (Firethorn). An almost evergreen shrub allied to both the Thorns and Cotoneasters. Dwarf grown with slender branches with numerous short thorns. Small white flowers; liberally covered in fall with bright orange-red fruit. **All trees balled and burlapped.**

Spread: 1½ to 2 feet—\$2.00.

2 to 3 feet—3.00.

3 to 4 feet—4.00.

THE WILLOWS (*Salix*)

Besides the beauty of their airy summer foliage, the Willows have a distinct winter value in the color brightness of their bark when leaves have fallen.

Babylonica. A graceful tree of large size. Its fresh, bright green tint and long, wavy branches make it very attractive. Weeping.

Caprea (Pussy Willow). A small shrub-like tree which is quick-growing and has furry catkins in spring which make it very attractive and desirable.

Gold Bark. Showy variety with golden bark of high color, making it very conspicuous during winter.

Laurel Leaved. A splendid ornamental small tree, with large, glossy, dark laurel-like leaves, whence its name. May be well associated with the taller screening shrubs.



The Wisconsin Weeping Willow

Niobe. Slender leaves, green above, silvery beneath; the twigs and bark tinged dark red. Weeping.

Rosmarinifolia (Rosemary Willow). A small tree with round head. Branches long and slender. Leaves narrow.

Royal or Silver Leaf. A large tree, sometimes 100 feet high, with short and thick trunk and yellowish brown branches, the foliage a silvery ash gray.

Thurlow's. Larger and more spreading than the Babylonian form, and hardier, but similar in foliage and grayish green bark. Weeping.

Ural. Numerous arching branches with yellowish wood, the narrow green leaves very densely set.

Wentworth. Tall, rapid, upright; with reddish bark.

Wisconsin. A Babylonica with more slender leaves and hardier. This is the most generally planted variety, and makes immense broad-topped specimens. Weeping.

PRICE OF WILLOWS

	Each	Per 10	Per 100
Babylonica, Weeping, 6 to 8 ft.	\$1.00	\$ 9.00	\$ 80.00
Babylonica, Weeping, 8 to 10 ft.	1.25	11.00	100.00
Caprea (Pussy Willow), 2 to 3 ft.	.60	5.00	.....
Caprea (Pussy Willow), 3 to 4 ft.	.75	6.50	.....
Caprea (Pussy Willow), 4 to 5 ft.	1.00	9.00	.....
Gold Bark, 6 to 8 ft.	.75	6.50	60.00
Gold Bark, 8 to 10 ft.	1.00	9.00	80.00
Gold Bark, 10 to 12 ft.	1.25	11.00	100.00
Laurel Leaved, 6 to 8 ft.	.75	6.50	60.00
Laurel Leaved, 8 to 10 ft.	1.00	9.00	.....
Laurel Leaved, 10 to 12 ft.	1.25	11.00	.....
Niobe, 6 to 8 ft.	1.00	9.00	.....
Niobe, 8 to 10 ft.	1.25	11.00	.....
Rosmarinifolia (Rosemary Willow)—			
2 to 3 ft.	.75	6.50	.....
3 to 4 ft.	1.00	9.00	.....
Royal (Silver-leaf), 4 to 6 ft.	.85	.....	.....
Thurlow, 6 to 8 ft.	1.00	9.00	80.00
Thurlow, 8 to 10 ft.	1.25	11.00	100.00
Thurlow, 10 to 12 ft.	1.50	13.50	125.00
Ural, 6 to 8 ft.	1.00	9.00	.....
Ural, 8 to 10 ft.	1.25	11.00	.....
Wentworth, 6 to 8 ft.	.75	6.50	50.00
Wentworth, 8 to 10 ft.	1.00	9.00	75.00
Wentworth, 10 to 12 ft.	1.25	11.00	100.00
Wisconsin, 6 to 8 ft.	1.00	9.00	80.00
Wisconsin, 8 to 10 ft.	1.25	11.00	100.00
Wisconsin, 10 to 12 ft.	1.50	13.50	125.00

WITCH HAZEL (*Hamamelis Virginica*). An unusual tree blooming in November. Flowers are yellow and star-like, remaining on the tree until the leaves are all gone. Good foliage. Grows 8 to 15 feet or more.

18 to 24 in.—\$0.50 each; \$4.50 per 10.

2 to 3 ft.—.85 each; 7.50 per 10.

3 to 4 ft.—1.00 each; 9.00 per 10.

We have a complete stock of ornamental trees—probably the largest quantities in America.

EVERGREENS-for Year Round Effects



OUR Evergreens are all carefully grown at good distances for symmetrical development, are root and top-pruned into handsome, shapely specimens that will transplant successfully to new homes with ordinary care.

Planting season for spring from April 10 to May 15, for fall from about August 15 to October 10, depending on season and locality. We have selected specimens in many varieties on which we would be glad to quote prices on receipt of list, stating kinds, sizes and numbers wanted.

All Evergreen Trees will be carefully dug with ball of earth about the roots and tightly sewed in burlap and will stand transportation and transplanting with little risk of loss. In planting it is not necessary to remove the burlap. Follow the planting chart shown below. The "Mail Size" Evergreens are quite small, lifted without ball, packed in moist root-wrappings, and their weight when so packed for shipment by mail, not excessive.

ARBOR VITAE (Thuya)

American. (White Cedar.) Erect, pyramidal habit with soft bright green foliage, dense from ground up; grows rapidly and soon forms a most beautiful tree. Like other types of Arbor vitae, the American can be trimmed at will, or even closely sheared when sufficiently developed. This makes it available for use in formal hedges either short or of screening height. Mail size, 35 cts.; 5 for \$1.25.



American Arbor Vitae

	Each	10	100
18 to 24 inches.....	\$1.75	\$16.50	\$150.00
2 to 2½ feet.....	2.50	22.50	200.00
2 to 3 feet.....	3.00	27.50	250.00
3 to 4 feet.....	3.50	32.50	300.00
4 to 5 feet.....	6.00	55.50	500.00
5 to 6 feet.....	8.00	.....	.....

Berkman's Golden-Compacta. Compact and bushy; rich golden-tipped foliage. A very beautiful evergreen whose slow growth permits many uses. Foliage is very close making it very compact. This makes a good specimen subject as well as an attractive evergreen for grouping. No pruning required. Mail size, 60 cts.; 3 for \$1.50.

12 to 15 inches—\$3.00 each; 10 for \$27.50.
15 to 18 inches—2.75 each; 10 for 25.00.
18 to 21 inches—3.50 each; 10 for 32.50.
21 to 24 inches—4.50 each; 10 for 42.50.

Douglas Golden. One of the hardiest of all golden evergreens. Broad and bushy growth with long slender branches and bright yellow foliage. 18 to 24 inches—\$3.50. 2 to 2½ feet—\$4.50. 2½ to 3 feet—\$5.50.

Ellwangeriana. A low, broad pyramid with slender branches; foliage intermediate in texture between *Ericoides* and American. Mail size, 60 cts.; 3 for \$1.50.

	Each	10
18 to 21 inches.....	\$2.50	\$22.50
21 to 24 inches.....	3.00	27.50
2 to 2½ feet.....	3.50	32.50
2½ to 3 feet.....	4.00	37.50
3 to 3½ feet.....	5.00	.....

Ericoides. (Heath-Leaved Arbor Vitae.) A very pretty dense little shrub of the Tom Thumb type. 12 to 15 inches—\$1.50 each; 10 for \$12.50. 15 to 18 inches—\$2.00 each; 10 for \$17.50.

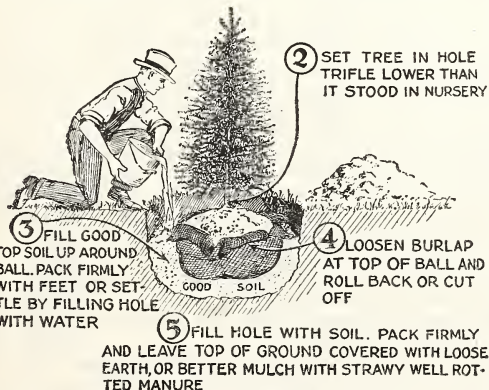
Globosa. Forms a dense, low globe; handsome shade of green. Mail size, 60 cts.; 3 for \$1.50. 12 to 15 inches—\$2.00. 15 to 18 inches—\$2.50. 18 to 21 inches—\$3.50.

Geo. Peabody. A moderate grower. Foliage golden-yellow, and retained well throughout the year. Very good for producing color contrasting effects. 18 to 24 inches—\$2.50 each; 10 for \$22.50. 2 to 2½ feet—\$3.50 each; 10 for \$32.50. 2½ to 3 feet—\$5.00 each; 10 for \$47.50. *Globe Arborvitae*



How to Plant Evergreens

- (1) Dig hole a foot larger and deeper than ball of earth. Provide good, loamy top soil to fill around ball.



Evergreens are the "Aristocrats of the Plant World"—Every home should have a few.

ARBOR VITAE—Continued

Hovey's Golden. A small, hardy tree, elliptical in form and very compact. Foliage light green with a golden tinge, very distinct, bright and pleasing shade. Mail size, 60 cts.: 3 for \$1.50.
 18 to 21 in.—\$3.00 each; 10 for \$27.50.
 21 to 24 in.—4.00 each; 10 for 37.50.
 2 to 2½ ft.—5.00 each; 10 for 47.50.

Oriental. A comparatively low, broadly pyramidal tree, native of Asia. Its color is a refreshing yellowish green similar to Hovey's, although dulling to bronzy green in winter. Mail size, 60 cts.; 3 for \$1.50.
 2 to 2½ feet—\$3.00 each; 10 for \$27.50.
 2½ to 3 feet—4.00 each; 10 for 37.50.
 3 to 4 feet—5.25 each; 10 for 50.00.
 4 to 5 feet—6.50 each.

Pumila. A handsome dwarf; dense, perfect form; a charming shade of green.
 18 to 21 inches—\$3.50; 21 to 24 inches—\$4.75 each.

Pyramidalis. Most compact and erect of the entire species, in form almost a counterpart of the Irish Juniper. Foliage a deep green, retaining color. Mail size, 60 cts.; 3 for \$1.50.
 2 to 2½ feet—\$3.25 each; 10 for \$30.00.
 2½ to 3 feet—4.25 each; 10 for 40.00.
 3 to 4 feet—5.50 each; 10 for 50.00.
 4 to 5 feet—\$8.00 each.

Siberian. A superb variety, somewhat similar to American, with heavier and fuller foliage and more compact habit. It holds its color during winter and bears trimming well; one of the hardiest. Mail size, 60 cts.; 3 for \$1.50.
 18 to 24 in.—\$2.75 each; 10 for \$25.00.
 2 to 2½ ft.—3.75 each; 10 for 35.00.
 2½ to 3 ft.—4.50 each; 10 for 42.50.
 3 to 4 ft.—6.00 each.

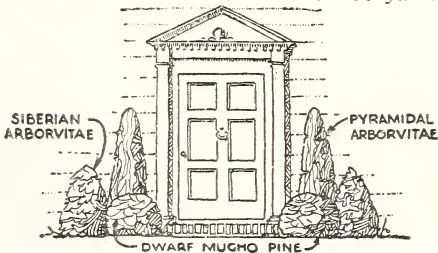
Tom Thumb. Small, compact, with feathery foliage; fine for low hedges, foundations or cemetery lot. Mail size, 40 cts.; 3 for \$1.00. 21 to 24 in.—\$2.75; 2 to 2½ feet—\$3.50; 2½ to 3 feet—\$4.50.

Vervaeana. Erect habit and form like the American, with golden variegated foliage.
 18 to 24 inches—\$3.00; 2 to 2½ feet—\$3.75.

Woodwardi. One of the best of the globe-shaped Arborvitae; grows naturally in that form and will often reach a height of 3 feet. Very well adapted for use in borders, foundation plantings and tubs. 15 to 18 inches—\$2.75.

S. & H. Foundation Offer

An effective evergreen planting of **HARDY VARIETIES** suitable for the dooryard.



2 Dwarf Mugho Pines, 12-15 inches.....\$6.00
 2 Siberian Arbor Vitae, 18-24 inches.....5.50
 2 Pyramidal Arbor Vitae, 3-4 feet.....11.00

Catalog Price\$22.50

OUR SPECIAL PRICE.....\$22.00

Freight or Express Extra

BOX (Buxus)

Tree Box (Buxus Sempervirens). Familiar in old-fashioned gardens, indispensable in formal ones. It grows well in many soils and endures much pruning. Mail size, 30 cts.; \$2.50 per 10; \$15.00 per 100.
 8 to 10 in—60 cts. each; 10 for \$5.00; 100 for \$45.00.

CRYPTOMERIA

Cryptomeria Japonica. Attains a height of 100 or more feet. Of graceful habit and rapid growth. This is a very attractive pyramidal tree and very regular in form. 18 to 24 inches—\$4.00.

FIR (Abies)

Balsam. (American Silver.) A very regular, symmetrical tree, assuming the conical form even when young; leaves dark green above, silvery beneath.
 2 to 2½ ft.—\$3.25.
 2½ to 3 ft.—4.00.

Concolor. (White Fir.) A picturesque Colorado species; long, leathery leaves, with glaucous tinge when young, becoming pale green with age. Branches arranged in horizontal whorls. A grand tree, making splendid specimens. Mail size, 75 cts; 3 for \$2.00.

18 to 24 in.—\$4.50;
 10 for \$42.50. 2 to 2½ feet—\$6.00; 10 for \$50.00.
 2½ to 3 ft.—\$7.50; 10 for \$70.00.

JUNIPER (Juniperus)

Chinensis. (Chinese Juniper.) One of the most ornamental Junipers for the lawn or garden. Pyramidal or columnar outline, foliage of a pleasing grayish green color when fresh, maturing to real dark green. Adaptable to extremes of temperature and association with varying sorts.
 3 to 4 feet—\$6.50 each; 10 for \$62.50.

English. Makes a loosely pyramidal specimen; foliage, grayish green.

2½ to 3 feet—\$3.00; 3 to 4 feet—\$4.00.
 4 to 5 feet—6.00; 5 to 6 feet—8.50.

Excelsa (Greek Juniper). Compact pyramidal grower, making tall, handsome specimens.
 2½ to 3 feet—\$3.00; 3 to 4 feet—\$4.00.
 4 to 5 feet—6.00; 5 to 6 feet—8.50.

Horizontalis. A handsome, serviceable ground-covering type of closely radiating habit, the foliage more thread-like and distended than in *Tamariscifolia*, yet denser and more prostrate than *Waukegan*; the color a healthy light green.
 18 to 24 in.—\$3.00 each; 10 for \$27.50.
 2 to 2½ ft.—4.00 each; 10 for 37.50.
 2½ to 3 ft.—5.00 each.

Horizontalis Glauca. Like the above, but colored a distinct steel blue.
 18 to 24 in.—\$3.00 each; 10 for \$27.50.
 2 to 2½ ft.—4.00 each; 10 for 37.50.
 2½ to 3 ft.—5.00 each; 3 to 3½ ft.—\$6.50 each.



Evergreens give both summer and winter beauty.



Junipers in the foundation planting

JUNIPER—Continued

Irish. Erect, slender and formal in habit; foliage sage green, very compact. 18 to 24 inches—\$1.75 each; 10 for \$15.00. 2 to 2½ feet—\$2.25 each; 10 for \$20.00. 2½ to 3 feet—\$2.75 each; 10 for \$25.00. 3 to 4 feet—\$3.50 each; 10 for \$32.50.

Japan. A dwarf, dense, spreading tree with light green foliage. 18 to 24 inches—\$4.00.

Pfitzeriana. The spiral branches are long and whip-like, densely furnished; very dark green; the first new growth thickly studding the expanse like silver beads. Mail size, \$1.00; 3 for \$2.50.

	Each	10
18 to 24 inches.....	\$4.00	\$37.50
2 to 2½ feet.....	5.00	45.00
2½ to 3 feet.....	6.00	55.00
3 to 3½ feet.....	7.00	
3½ to 4 feet.....	8.00	

Note: In these sizes we can furnish either the flat or upright types, size indicating spread in the one case, and height in the other.

Savin. Handsome moss green foliage; main branches protruding from the crown at a 45° angle. A fine dwarf ground cover, or filler in Evergreen groups. Mail size, 75 cts.; 3 for \$2.00. 18 to 24 inches—\$3.25 each; 10 for \$30.00. 2 to 2½ feet—\$4.00; 10 for \$37.50. 2½ to 3 feet—\$4.75 each.

Swedish (J. Suecica.) Tall growing, of formal, columnar habit. The foliage is dense, fairly broad, with drooping tips; in color glaucous green somewhat lighter and bluer than the Irish Juniper. 2 to 2½ feet—\$3.00. 2½ to 3 feet—\$3.50. 3 to 3½ feet—\$4.00.

Dwarf Swedish. (Suecica Nana.) Dwarf compact; foliage light green, not changing in winter. 2 to 2½ feet—\$2.75 each; 10 for \$25.00. 2½ to 3 feet—\$3.25 each; 10 for \$30.00. 3 to 3½ feet—\$4.00 each; 10 for \$37.50.

Tamariscifolia. (Tamarix-leaved.) A beautiful trailing form of Savin, with bluish green foliage. The construction is dense and very fine, especially attractive when showing new growth. 18 to 24 inches spread, \$4.00. 2 to 2½ feet—\$4.50. 2½ to 3 feet—\$5.50.

Virginiana Cannarti. A newly derived type resembling Schotti in leaf and character, midway in color between the pronounced yellowish green of that variety and the darkness of Virginiana. 2½ to 3 feet—\$4.50. 3 to 4 feet—\$5.50.

Virginiana Elegantissima. A bushy Juniper. In the spring the foliage is golden, gradually darkening

to bronze and green as the season progresses. Grows 10 to 15 feet. Very attractive in combination with other varieties. Very hardy. 2 to 2½ feet—\$5.50.

Virginiana Glauca. (Blue Va. Cedar.) Its broadly conical form and beautiful glaucous blue foliage make it one of the choicest Junipers. 2½ to 3 feet—\$5.00. 3 to 4 feet—\$6.00.

Virginiana Schotti. A dense columnar form of the Red Cedar with light yellowish green foliage. Hardy and beautiful. 2 to 2½ feet—\$4.00. 2½ to 3 feet—\$5.00.

Waukegan. Ground-covering, closely compact. The beautiful silvery blue color assumes a rich purple autumn hue. Mail size, 75 cts.; 3 for \$2.00. 18 to 24 inches—\$3.50. 2 to 2½ feet—\$4.50.

PINE (Pinus)

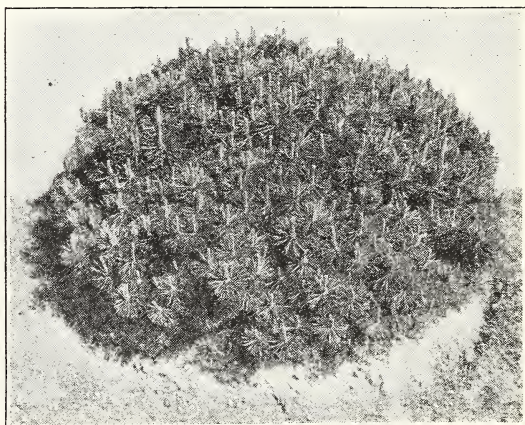
Austrian. Broadbased, heavy needled, massive; darkest and richest green of the Pines, silhouetting to inky blackness against the sky-line. Quite densely and evenly branched. Mail size, 60 cts.; 3 for \$1.50. 2 to 2½ feet—\$3.50. 2½ to 3 feet—\$4.25 each. 3 to 4 feet—\$5.25 each.

Mugho. (Dwarf Pine.) Leaves short, stiff and formal, thickly distributed in tufts over the branches in a crowded way somewhat similar to Austrian; globular form. Mail size, 75 cts.; 3 for \$2.00. 12 to 15 inches—\$3.00. 15 to 18 inches—\$4.00. 18 to 24 inches—\$5.00.

Scotch. Quick, strong growth; valuable for protective screens; very hardy. As a rule it grows taller than Austrian, with softer needles, and shows a hint of reddish brown in its bark and forming cones. Mail size, 60 cts.; 3 for \$1.50. 2 to 2½ feet—\$3.00 each; 10 for \$27.50. 2½ to 3 feet—\$3.75 each; 10 for \$35.00. 3 to 4 feet—\$4.75 each; 10 for \$45.00. 4 to 5 feet—\$6.00 each. \$6.00 each.

White. (Strobus.) A strong featured, picturesque, rapid growing tree; with abundant silvery-green foliage, in long swaying clumps of soft needles. Attains great height and spread with age. 2 to 2½ feet—\$2.75 each. 2½ to 3 feet—\$3.25 each. 3 to 4 feet—\$4.00 each; 10 for \$35.00. 4 to 5 feet—\$5.00 each; 10 for \$47.50.

Note: On account of the Federal Quarantine No. 26, White Pines cannot be shipped to any point west of Minnesota, Iowa, Missouri, Arkansas and Louisiana.



Mugho Pine

Plant a live Christmas tree on your lawn.

*Retinospora Pisifera Aurea*

RETINOSPORA

Filifera. The leading shoot grows upright, the branches are nearly horizontal, with long, drooping, tasseled ends. Pyramidal in outline; bright green. 18 to 24 inches—\$3.25 each; 10 for \$30.00. 2 to 2½ feet—\$3.75 each; 10 for \$35.00. 2½ to 3 feet—\$4.50 each.

Filifera Aurea. Same form and habit as above. Foliage bright golden yellow. 15 to 18 inches—\$3.75. 18 to 24 inches—\$4.50.

Obtusa Crippsii Gracilis. A beautiful golden form of Japan Cypress, carrying its bright golden color well through the season. 18 to 24 inches—\$3.50. 2½ to 3 feet—\$5.00. 3 to 4 feet—\$7.00.

Obtusa Nana Compacta. One of the finest of the family in showy arrangements of foliage, very dwarf, dense, slow growing habit, and great depth of color. 12 to 15 inches—\$3.75.

Obtusa Youngi. Very graceful, feathery, golden foliage, on loose branches. 2½ to 3 feet—\$4.75. 3 to 4 feet—\$5.50.

Pisifera. Open and tall in growth, with erect branches pendulous at tips; foliage feathery, light green, glaucous beneath. 2 to 2½ feet—\$4.00 each; 10 for \$37.50. 2½ to 3 feet—\$4.75 each; 10 for \$45.00. 3 to 4 feet—\$5.50 each; 10 for \$50.00.

Pisifera Aurea. A bright golden form holding its color. Its habit runs to bushiness; an ideal type for corners, against dark brick. 2 to 2½ feet—\$4.00 each; 10 for \$37.50. 2½ to 3 feet—\$4.75 each; 10 for \$45.00. 3 to 4 feet—\$5.50 each.

Plumosa. An exceedingly handsome, acorn-shaped evergreen of medium tall growth, from Japan, with feathery, light green foliage. Mail size, 50 cts.; 3 for \$1.25. 18 to 24 inches—\$3.00 each; 10 for \$27.50. 2 to 2½ feet—\$3.50 each; 10 for \$32.50. 2½ to 3 feet—\$4.00 each; 10 for \$37.50. 3 to 4 feet—\$5.00 each.

Plumosa Aurea. Like the preceding; of a golden yellow color; close and compact habit. Mail size, 50 cts.; 3 for \$1.25. 18 to 24 inches—\$3.00 each; 10 for \$27.50. 2 to 2½ feet—\$3.50 each; 10 for \$32.50. 2½ to 3 feet—\$4.25 each; 10 for \$40.00. 3 to 4 feet—\$5.25 each.

Squarrosa Veitchii. Dense growth; soft beautiful silvery blue foliage, arranged in spirals which

gives the impression of boiling over. Shows to best advantage close against dark greens. Mail size, 75 cts.; 3 for \$2.00. 18 to 24 inches—\$3.00 each; 10 for \$27.50. 2 to 2½ feet—\$3.50 each; 10 for \$32.50. 2½ to 3 feet—\$4.25 each; 10 for \$40.00.

SPRUCE (*Picea*)

Colorado (Pungens). Vigorous and hardy, making fine specimens in a broad based, sharply defined pyramid form; foliage rigidly angular with sharp needles very densely set. Light green color. Mail size, \$1.50 each. 18 to 24 inches—\$3.00. 2 to 2½ feet—\$4.25. 2½ to 3 feet—\$5.00.

Douglassi. From the mountains of Colorado. A rapid grower, foliage somewhat resembles Hemlock, leaves light green above, glaucous below. Conical form, branches spreading, light and graceful. Mail size, 75 cts.; 3 for \$2.00. 2 to 2½ feet—\$3.75 each; 10 for \$35.00. 2½ to 3 feet—\$4.25 each; 10 for \$40.00. 3 to 4 feet—\$5.00 each.

Hemlock. An elegant pyramidal tree with drooping branches and delicate, dark foliage. It is a beautiful lawn tree and makes a highly ornamental hedge. Mail size, 60 cts.; 3 for \$1.50. 2 to 2½ feet—\$4.00. 2½ to 3 feet—\$5.00.

Norway. A lofty, noble tree of open, pyramidal habit; exceedingly picturesque. Very popular and effective in evergreen groups and one of the best for hedges.

	Each	10	100
18 to 24 inches.....	\$1.50	\$12.50	\$115.00
2 to 2½ feet.....	2.00	17.50	160.00
2½ to 3 feet.....	2.50	22.50	210.00
3 to 4 feet.....	3.25	30.00	285.00
4 to 5 feet.....	4.25	40.00	

Norway Weeping. (Inverted.) A variety of the Norway with large foliage, lateral branches drooping like a willow. 3 to 4 feet—\$6.00. 4 to 5 feet—\$7.50. 5 to 6 feet—\$9.00.

American White. A lofty conifer which is very ornamental and can be planted singly or in group. It grows rapidly and hence makes a good tree for the background. Its long needles are whitish beneath; hence the foliage looks silvery-green.

Mail size, 50 cts.;
3 for \$1.25. 18 to
24 inches—\$2.50.
2 to 2½ feet—
\$3.00. 2½ to 3
feet—\$3.75. 3 to
4 feet—\$4.75.

YEW—*Taxus*

Cuspidata Brevifolia. A handsome Japan Yew, with short richly dark green leaves; dense bushy habit. Hardest of the Yews, and one of the best compact, dwarf evergreens for edging and foreground. 12 to 15 inches—\$3.25 each; 10 for \$30.00. 15 to 18 inches—\$4.50 each; 10 for \$42.50.

*Colorado Spruce*

Our customers receive excellent Evergreens due to our fine climate and soil.

BROADLEAF EVERGREEN SHRUBS

THIS group contains some of the most useful plants, not only because of their evergreen foliage, but because they are highly prized flowering shrubs; very useful for foundation planting, for filling in beds of evergreen plantings, and for specimen use.

AZALEA

Calendulacea. One of the most attractive of the flowering shrubs and the most showy of the Azaleas. A very profuse bloomer; the flowers being a light orange or bright red appearing before the leaves and remaining several weeks.

1 to 2 feet—\$2.40 each

2 to 3 feet—2.50 each.

Mollis (Bushy well branched). The foliage of this variety is especially attractive. The flowers are a variable orange tan, yellow and red. Plant thrives in both sunny and semi-shaded locations and is very hardy. This shrub associates with the Rhododendron and is very good for foundation planting.

12 to 15 inches—\$1.50 each.

15 to 18 inches—2.50 each.

18 to 24 inches—3.00 each.

Nudiflora. This variety is an early bloomer, the flowers appearing in May. Very attractive with blooms varying in color from a beautiful pink to reddish-purple. A good shrub for mass-planting.

1 to 2 feet—\$2.00 each.

2 to 3 feet—2.50 each.

KALMIA

Latifolia (Mountain Laurel). This is a very sturdy shrub with evergreen foliage of clustered large green leaves. Flowers of pink and white are produced late in June and are borne in large quantities. One of the best shrubs; it is very hardy and will thrive in almost any soil. 2 to 3 feet—\$3.00 each.

LEUCOTHOE

Catesbaei. (Drooping Leucothoe.) A beautiful shrub, both for blossom and foliage. The leaves, bright green in summer and purplish-red in the fall and winter, are borne on gracefully drooping branches. Blossoms are a soft creamy white. The colorful foliage is much desired for winter house decoration. This shrub makes an attractive planting in front of evergreens and Rhododendrons. 1 to 2 feet—\$2.00 each.

MAHONIA

Aquifolia. (Holly-leaved Ashberry.) A beautiful evergreen shrub, with smooth shining holly leaves; bright yellow flow

er clusters in May, and blue berries. The leaf color varies capriciously through the year, assuming shades of green, with flecks of red and bronze. 15 to 18 inches—\$1.00. 18 to 24 inches—\$1.50.

RHODODENDRONS

Rhododendrons are considered to be one of the most popular plants for all-year-round effects. Their masses of foliage retain their coloring throughout the entire year, and provide a pleasing touch of green in the winter landscape. As they favor partially shaded situations they are invaluable for shady nooks about the house or lawn.

Catawbiense. Very hardy with attractive foliage of round shining green leaves. The flowers are borne very abundantly in trusses and come in shades of lavender and purple, appearing early in June. 1 to 2 feet—\$2.75 each. 2 to 3 feet—\$3.50 each.

Maximum. Foliage very large and smooth; flowers are white with rosy blush and also white. This shrub grows naturally in certain mountainous regions of Pennsylvania, Virginia and North Carolina. Very attractive for natural effects along walks and drives. 2 to 3 feet—\$3.50 each. 3 to 4 feet—\$4.50 each.



Rhododendrons Are Fine for Foundation Planting



Mahonia Aquifolia



Azalea in flower

This catalog is our only salesman.

COLORFUL CANNAS for Summer Bedding

OF all bedding plants, Cannas are the tallest and bulkiest, and furnish the widest range of colors. Their foliage is of noble proportions, making a full, compact mass which serves to conceal the ground or background, and is of itself attractive in rich shades of green, bronze, red and chocolate. The surmounting flower trusses are uniformly large and free, brilliant with most of the colors and combinations known among flowers.

Massed plantings in one color are recommended as being most effective; but many beautiful and striking combinations of colors may be arranged. See table below for guidance as to quantities of each.

Unless noted, all varieties in the succeeding list have green leaves and belong to the well known Dwarf French Canna class. The exceptions noted refer to those few having dark or "Bronze" foliage, and to those tall sorts known as giant "Orchid-flowered," or Italian Cannas.

PLANTING DIRECTIONS

Soil, etc. Cannas will grow in any kind of soil and most any location, but to obtain fullest development and reward, they should be given an open, sunny location and the soil enriched with well-decayed manure. Dig up about 2 feet deep, and at all times give plenty of water.

For bedding. Cannas should be planted no less than 18 inches apart each way; starting outer rows 9 inches inside margin of bed. Thus the planting radius of a 6 foot circle for outside row is 27 inches. In circular beds, the tallest variety should occupy the center, the medium heights next, finishing with a dwarf kind for the outside row. By consulting our descriptions, varieties may be selected according to desired heights, which range from 2½ to 8 feet. See planting formula and table on page 74.

CANNA PRICES—Unless noted, 20 cts. each; \$1.75 per dozen. By express—\$10.00 per 100. All Cannas from pots only.



A Bed of Cannas Always Attractive

Apricot. (4 ft.) Broadly compact trusses freely produced. Strong, rich apricot passing to silvery pink, with gold and coral center. One of the daintiest and most attractive. 30 cts each; \$3.00 per dozen.

Beaute Poitevine. (3½ ft.) Blood-shot petals of crimson-scarlet. One of the good, reliable red bedders.

Cheerfulness. A charming bright-hued novelty, fitly named. Flowers are a beautiful brilliant orange suffused slightly with red, giving the blossom a rather flame-like appearance. 3½ feet—25 cts. each; \$2.50 per dozen.

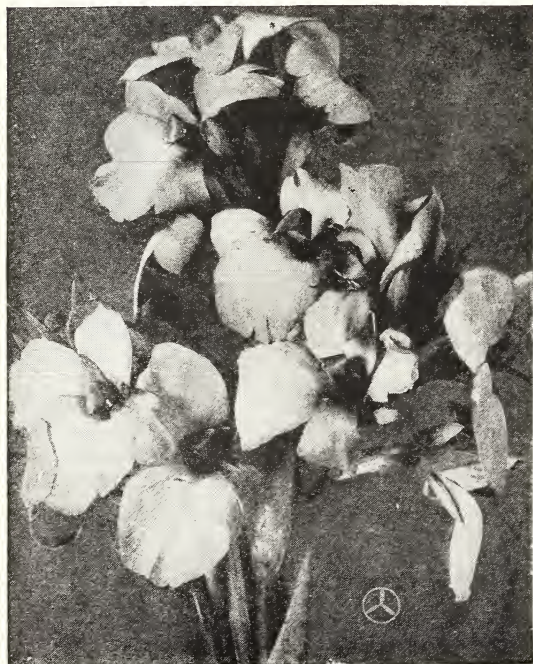
City of Portland. (3½ ft.) Warm rose pink, holding its tone through both hot and cool weather. The great, full-petaled trusses are borne very freely on heavy stalks and make a wonderful show throughout the season. 25 cts. each; \$2.50 per dozen.

Crimson Bedder. (3½ ft.) Dazzling crimson-scarlet.

Dwarf Florence Vaughan. (3 ft.) Dwarf, free flowering; red very distinctly "speckled" over deep yellow.

E. M. Byrne. (5 ft.) Massive, protruding heads of extra large flowers; good bloomer. Dark cardinal red. 35 cts. each; \$3.50 per dozen.

Eureka. The genuine, practical white Canna is found at last. With the advent of Eureka we are granted good full trusses; broad petals; uniform, free and continuous bloom, and a clean, waxy, lily-white color. Sturdy plant and attractive foliage. 4½ feet—25 cts. each; \$2.50 per dozen.



Golden Gate (Page 63)

SUGGESTED ARRANGEMENT FOR CIRCULAR CANNA BEDS

Diam.	Center	1st Row	2nd Row	3rd Row	4th Row	Total Plants
4 ft.	1	5	.....	.....	.....	6
6 ft.	0	3	9	.....	.....	12
8 ft.	1	8	15	.....	.....	24
10 ft.	1	5	12	18	.....	36
12 ft.	3	9	15	21	.....	48
15 ft.	3	9	15	21	28	76

The Canna is one of the most gorgeous plants.

CANNAS—Continued

Fairy Queen. (3 ft.) A dwarf front-row canna, especially valuable because pink; very bright, and productive. Brilliant pomegranate pink with creamy base (strongly apparent outside), the center spattered with gold and coral red. 30 cts. each; \$3.00 per dozen.

Gaiety. (5 ft.) A thrilling display of large flowers; bloodshot orange with a prevalent golden mottling in the throat. 35 cts. each; \$3.50 per dozen.

Golden Gate. (4½ ft.) A charming parti-colored variety which opens pure gold; but soon becomes markedly rayed with orange, rose and apricot emanating from a deep carmine throat. The fat, madder-red buds among fresh golden flowers are uniquely pleasing. 35 cts. each; \$3.50 per dozen.

Hungaria (3½ to 4 ft.) The first popular pink bedder; bright "Neyron Rose" pink. 30 cts. each; \$3.00 per dozen.

King Humbert. (4 to 4½ ft.) The best bronze leaved variety, very distinct heart-shaped leaves shaded with purple madder-brown. Immense orchid flowered trusses of velvety orange scarlet flecked with carmine, rose tinted at margin and base.

Louisiana. (6 ft.) Deep orange scarlet.

Lyon Rouge (4 ft.). Stocky growth; heavy, broad-petaled trusses; solid vermilion. 40 cts; \$4.00 doz.

Mohawk (5 ft.). Wavy leaves of violet bronze, well set up; full, clean flower spikes. Richly shadowed poppy red. 45 cts. each; \$4.50 per dozen.

Mrs. Alfred F. Conard. (4 ft.) Makes a charming, continuous display of silvered peach-pink. 30 cts. each; \$3.00 per dozen.

Queen Helen ("Yellow King Humbert"). (4 to 5 ft.) Exact Humbert character, but the leaves are green and flowers rich golden yellow; beautifully dotted red. 35 cts. each; \$3.50 per dozen.

Richard Wallace (5 ft.). The finest tall, light yellow; pure, unfading canary; very showy.

Souv. de Antoine Crozy (3½ ft.). Brilliant crimson-scarlet conspicuously bordered golden yellow.

Statue of Liberty. (6 to 7 ft.) Torch-like, orange red trusses, rigidly upheld; one of the best extra tall red varieties. 75 cts. each; \$8.00 per dozen.

The Ambassador. (4 ft.) Darkly veined bronze leaves; good heads of broad flowers, unblemished fiery scarlet ("Bronze leaved President"). \$1.00 each; \$10.00 per dozen.

The President. (4 ft.) The best green-leaved red-flowered canna offered. The flowers are immense, round, firm; a cheery one color pure scarlet. 35 cts. each; \$3.50 per doz.

Victory. (3 ft.) A delightful, dainty dwarf type. Creamy ecru toned with shell pink and chamois; rounded florets with crimped edge, in full, compact, self-cleaned trusses. 30 cts. each; \$3.00 per dozen.

Vulcan. (5 ft.) Intense garnet red flowers on purplish stalks; the dark green leaves broadly banded. 75 cts. each; \$8.00 per dozen.

Wyoming (7 ft.). Very showy contrastive type; the foliage rich purplish bronze; the flowers bright orange slightly rimmed and flaked with rose.

CANNA PRICES—Unless noted, 20 cts. each; \$1.75 per dozen. By express, \$10.00 per 100. All Cannas from pots only.

Canna beds do not necessarily have to be enclosed by a dwarf border like some tall growing plants and shrubs, but many people prefer to do so. For such, we would suggest that Baby Rambler Roses 18 inches apart make a fine all-summer showing; as also do the hardy perennial Seedums—Spectabilis and Brilliant,—similarly set.



DAHLIAS—the Flower for Fall

SPRING is beautified by the Peony, summer would seem barren without the Rose; in like manner we have come to expect of autumn—the Dahlia. From the great number of more or less distinct varieties which cumber the Dahlia catalogs, we are trying to keep our own lists down to a reasonable selection from the established varieties we know, and the best introductions.

CULTURE, Etc. Dahlias are not particular as to the soil or location. Although maximum growth and bloom reward the full sun, some of the stronger sorts develop most perfect specimens in partial shade; and localities with a moist atmosphere or dewy nights are apt to give better results than a drier air. Frequent cultivation prior to their blooming season is absolutely essential to real success. Time for planting varies according to climate, but is safe after all danger of late frosts is past. Tubers should be planted about 6 inches deep, laid flat, eyes or sprout up. Although good, lively tubers are apt to produce more stalks, started plants give practically an equal amount of bloom. We send out tubers (root division) until supply is exhausted, after which orders are filled with started plants at the same price.

Prices: All prices are for delivery by mail, postage prepaid.

NEW and RARE VARIETIES of SPECIAL MERIT

Ambassador. (Hybrid Cactus.) A magnificent flower of noble proportions; soft yellow at center, with shadings of salmon, amber and pink creating a rich blend which deepens toward the tips. \$1.00 each.

Amun Ra. A giant flowered, uniformly perfect formed Decorative, on extra long, upright stems; a gorgeous, long keeping



Amun Ra

cut-flower. Soft melon pink, most of upper surface a shining gold, the large bronze center bristling with a fringe of folded petals in oriental red. \$1.00 each.

Billionaire. (Peony Flowered.) One of the largest flowered in this class, given its name no doubt to express the richness and magnificence of its appearance. The color is deep golden orange. \$1.00 each.

California Enchantress. (Cactus.) Very large size and good substance, on wiry rigid stems; soft delicate pink. Its style is a perfect example of the straight rayed, fine-quilled cactus type, and its color a positive delight. One of the very longest keeping varieties. \$1.00 each.

Dakota. (Decorative.) One of Judge Marean's introductions, of fine, large exhibition type; deep coral red with coppery suffusion. 75 cts. each.

Elizabeth Slocombe. (Hybrid Cactus.) A large, erectly held flower, of gracious form; the color graduating from rich, purplish red, to clear garnet at maturity. \$1.50 each.

Gladys Sherwood. (Hybrid Cactus.) Extraordinary size in breadth and thickness; the long petals broad based, but tubular at the tips. Unblemished; glistening white. \$1.50 each.

Glory of New Haven. (Decorative.) Extra large, shapely flowers borne freely on long strong stems. A delicate shade of orchid pink. \$1.50 each.

Jean Chazot. (Or "Gay Paree.") (Hybrid Cactus.) Of the full, perfect, pointed formation; extreme productivity; and long season associated with Lonsdale, this new variety makes a sprightly, cheerful display of golden bronze tinged with nasturtium red. 75 cts. each.



California Enchantress

Dahlias are excellent for cut flower purposes.

DAHLIA NOVELTIES—Continued

Jersey's Beauty. (Decorative.) Of ideal flower construction, large, free, with excellent stems, and vigorous plant growth. A popular cut-flower, for its beautiful deep, clear rose-pink color; altogether one of the best of recent introductions. \$1.50 each.

Jersey's King. (Decorative.) Its brilliant color is variously described, but all meaning about the same and spelling beauty and charm. Oriental red suffused with carmine. \$2.00 each.

Judge A. B. Parker.

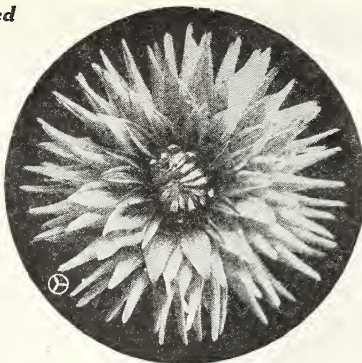
(Decorative.) A wonderful exhibition variety, freely produced; golden buff with an overcast of fawn. \$2.00 each.

Judge Marean. Large flower of perfect shape, changing color as it develops. The color range is from salmon-pink, red and iridescent orange to yellow and gold. \$2.00 each.

Kittie Dunlop. (Decorative.) A brilliant, shapely, continuous sort with excellent cutting stems; the large flowers a deep carmine-rose with a distinguishing but indescribable suffusion. This fine variety is by now sufficiently well known to have earned a decided popularity as a cut flower. 75 cts. each.

Millionaire. (Decorative.) One of the largest dahlias grown, a grand type for exhibition to your friends; delicate lavender pink. \$1.00 each.

Mrs. I. de Ver Warner. (Decorative.) Rarely imperfect in form, of large size and in great abundance. Usually displayed in profile. Its color is orchid-like and very popular, a deep mauve-pink. Early, continuous and substantial, this variety proves to be one of the finest of its class, for all purposes. \$1.00 each.



Countess of Lonsdale

Mrs. John T. Scheepers.

(Decorative.) Immense flowers independently displayed above the foliage; canary yellow at center, graduating into a delicate suffusion with pink in the outer petals. \$1.50 each.

CACTUS DAHLIAS

Characterized by long, narrow, pointed, tubular and twisted petals of graded lengths, giving the layered flowers a very striking and attractive appearance; various new hybrids introducing new phases.

Unless noted, 30 cts. each; \$3.00 per dozen. By express—\$20.00 per 100.

Attraction. A greatly admired dahlia. Large flowers measuring 6 inches across are composed of wavy petals which make a very graceful picture. Soft rose suffused with white. 60 cts. each.

Betty Austin. Of perfect form even to the end; very free and continuous, the long slim stems holding their burdens erect. Rich rosy carmine, with rose reflex, yellow at base and tips; distinct and showy. 75 cts. each.

California Beauty. Exceptionally free-blooming, and in every light a desirable cut flower. Its color is burnished copper, subdued by amber and warmed by a hint of coral in its shadowed depths. 75 cts. each.

Cigarette. Long rolled petals, mostly white with a solferino tip, proportions of the two colors varying capriciously. 50 cts. each.

Countess of Lonsdale. An old and very popular variety. Longest season and freest bloom of any Cactus type; flowers very large, complete and perfect. Color exquisite blending of amber and salmon-pink.

S. & H. Co.

Special Dahlia Collections



Kittie Dunlop (D).....	\$0.75
Jean Chazot (D).....	.75
Polar Bear (D).....	.75
Golden Eagle (C).....	.50
Bonny Blue (S).....	.30

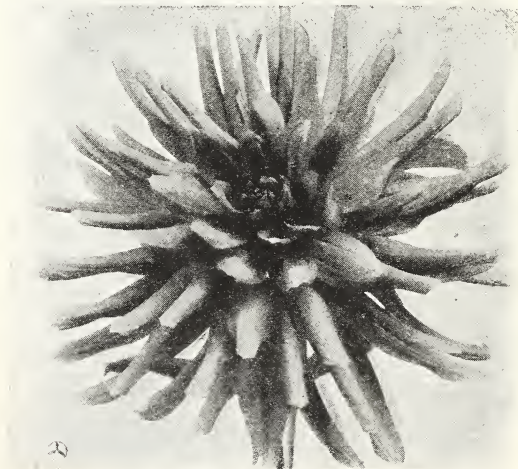
\$3.05

THE SET OF 5 FOR \$2⁷⁵

Attraction (Cactus)	\$0.60
California Enchantress (Cactus).....	1.00
Countess of Lonsdale (Cactus).....	.30
George Walters (Cactus).....	.50
Dr. Tevis (Dec.).....	.75
Hortulanus Fiet (Dec.).....	.60
Fire King (Show).....	.60
Billionaire (Pfl.)	1.00

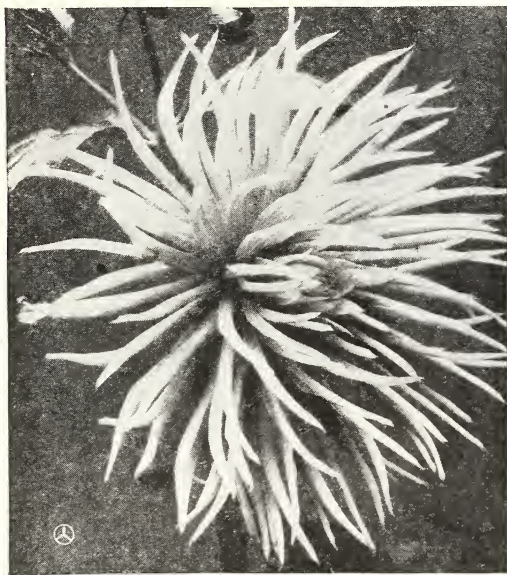
\$5.35

THE SET OF 8 FOR \$4⁹⁵



California Beauty

We have a fine supply of choice Dahlias, but order early.

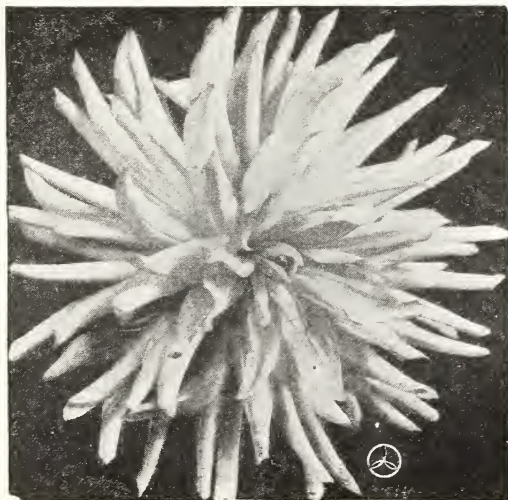


Golden Eagle

Etendard de Lyon. Beautiful flowers about 6 inches across, the broad fluted petals recurving to a 4 inch depth. The color is distinctly rich and lustrous, varying according to shadows, from carmine-rose to royal purple. 50 cts. each.

F. W. Fellowes. One of the best of that thin, long-petaled type so delightful in mixed bouquets, in color an intense coral red with deeper suffusion at center. 75 cts.

George Schofield. (English Cactus.) Medium sized flowers of exquisite form; long, tubular, incurving, twisting petals. Color a delicate blending of apricot and yellow, reducing to white at the tips. \$1.00 each.



Hoffnung

George Walters. A tall-growing showy impressive sort that always seems to focus attention. Its very large, full but loosely constructed flowers are yellow overlaid with apricot and shrimp pink; shaded at center with stone red or carmine. 50 cts. each; \$5.00 per dozen.

Golden Eagle. Tall growing, with long dark stems. Flower large, fine-petaled, full and deeply incurved; orange tan, with golden tips. 50 cts. each; \$5.00 per dozen.

Hoffnung. Loose cactus type of varying fullness, its coloring a delightful "peaches and cream" effect. Salmony old rose illuminated by a golden suffusion at center and tips. 50 cts. each; \$5.00 per dozen.

Kalif. Impressive, evenly disposed rays, broad at base with long, tubular quills; the center a compact tuft. Vivid turkey red. 50 cts. each.

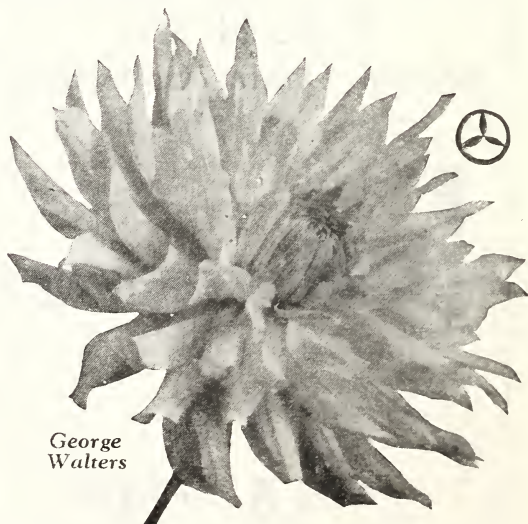
Marguerite Bouchon. Flowers are perfectly shaped with long pointed and very numerous petals; a lovely shade of warm pink, white at center. 50 cts. each; \$5.00 per dozen.

Mrs. Henry R. Wirth. Of moderate growth but bushy with an early and continuous out-pouring of medium sized, perfect flowers; one of the brightest, a pure glossy cardinal. 50 cts. each; \$5.00 per doz.

Red Cross. Extremely robust in growth, holding its numerous immense flower heads upright, on long firm stems. The petals are formal but fluffy. The delightful color combination is old gold, flushed and capriciously streaked with a soft red. 60 cts. each; \$6.50 dozen.

Yellow Cactus. This is a simple descriptive name, but to experienced Dahlia growers it is name enough. Does not fade, but is first and last a rich, solid lemon yellow; blooms early, much and long; holds tight and preserves the true cactus form as long as the sturdier reds and pinks. In size, it runs 7 inches or better. 60 cts. each; \$6.50 per dozen.

Unless noted, 30 cts. each; \$3.00 per dozen. By express—\$20.00 per 100.



George Walters

Everyone who sees Cactus Dahlias wants some.

**Bonny Blue****Doctor Tevis**

DECORATIVE DAHLIAS

The flowers are usually large, but full open faced, with long, flat petals. They habitually bloom with great freedom and the individual flowers make a gorgeous display in the field besides furnishing magnificent cut flowers. It is within this class that most of the recent first class novelties have been developed.

PRICE—Unless noted, 30 cts. each; \$3.00 per dozen.
By express—\$20.00 per 100.

Bonny Blue. The nearest approach to a regular blue yet produced. It is not washy, but a strong, dark, solid color; a little darker at the compact center. In form—perfect, full, round, short quilled, almost identified with the show type; profuse blooming, long stems and long keeping, it is all that can be desired for a reliable cut flower, in a unique shade of color.

Carolyn Wintjen. Of extreme size, averaging 8 to 10 inches in diameter; salmon-pink shading to rose. A good cut flower with long, firm stems. 60 cts. each.

Delice. A warm tone of lilaceous pink overlaid on white, the full center shaded a deeper hue and each petal point just nicked with silver.

Doctor Tevis. A magnificent exhibition type, liberal and large sized. Soft salmon-rose suffused with old gold, shading to a center of golden apricot. 75 cts. each.

Easton. A very striking and enjoyable red variety of medium size, but full, even petalage, and free-blooming habit; bright turkey-red. 35 cts. each; \$3.50 per dozen.

Eventide. A valuable cut-flower type of large size and perfect form. Essentially white, with just a touch of tender rose flushing the margins of the petals. 35 cts. each; \$3.50 per dozen.

Garland. Pure deep canary yellow in flat but full-petaled flowers of large size. A free bloomer, with substantial stems presenting their burdens face up. 35 cts. each; \$3.50 per dozen.

Gloriana. Pure old gold intensified by a reddish glow in the center. Extreme size of flower and length of leafless stem. A

brilliant garden type as well as vase flower. \$1.00 each.

Hortulanus Fiet. A "giant" decorative with an abundance of broad petals, the whole symmetrical flower averaging 8 inches across. Its exquisite color distribution beggars description; but is roughly a delicate shrimp pink pointed with gold and faintly clouded with red and yellow tones. 60 cts. each; \$6.50 per dozen.



The growing of Dahlias is an enjoyable hobby.

DECORATIVE DAHLIAS—Continued

Insulinde. Color and flower shape ordinarily fix a Dahlia's status; but aside from real class in these respects, Insulinde shows a cut-flower advantage almost unknown to the species. Its 7 to 8-inch flowers are set firmly on their long stems as horizontally as Zinnias or Chrysanthemums. Its long, wide petals are deeply undulating, the usually close center upstanding like and remindful of the Calycanthus flower. Color, golden ochre, with salmon red suffusion deepening towards center. \$1.00 each; \$10.00 per dozen.

King of Commerce. Firm, substantial, perfect form, medium size, free-blooming, early and outlasting; a practical and popular cut-flower variety. Yellow, evenly tanned; with a red swarthiness at center. A favorite for lamp-lit bouquets. 75 cts. each; \$7.50 per dozen.

Mina Burgle. Rich, luminous dark scarlet flowers of large size, strongly upheld; the petals evenly separated and gently recurved. Unusually free and continuous bloom. At one time considered the best dark red. 35 cts. each; \$3.50 per dozen.

Mr. C. H. Dresselhuys.

Medium sized, dainty flowers borne in great profusion on excellent cutting stems; a lovely shade of tender rose, with the tips noticeably whitened; a glorified Delice. 60 cts. each; \$6.00 per dozen.



Mrs. J. Gardner Cassatt. Compact, 4-inch flowers with tight center; all-over bright mauve pink. One of the earliest varieties to bloom, continuing and retaining its perfect condition remarkably long. 60 cts. each; \$6.00 per dozen.

Mt. Shasta. Very large and deep flower with long, slim petals rolled at points. A lovely daydawn pink slightly deeper in the shadows, and faintly gilded at center. 75 cts. each; \$7.50 per dozen.

Mr. Crowley. A bright, glowing shade of salmon pink, base of petals yellow. A delightful color and fine flower. 75 cts. each; \$7.50 per dozen.

Mrs. Carl Salbach. This variety has been accorded many honors throughout the country. Flowers immense, often 9 inches across, of a lively pink, suffused with white. 60 cts. each; \$6.00 per dozen.

Oregon Beauty. Profuse, giant, ball-shaped bloom; intense oriental red, suffused with garnet; a golden sheen over all. 35 cts. each; \$3.50 per dozen.

Patrick O'Mara. The numerous flowers are large, perfect in form, well supported on long, stiff stems. Rich chrome yellow with salmon red suffusion. 60 cts. each; \$6.50 per dozen.

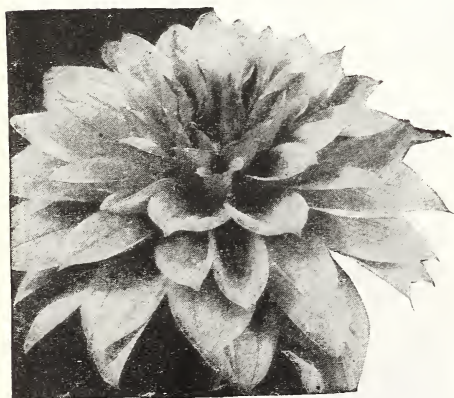
Polar Bear. Purest white, the waxy flowers of great size and perfect form, borne very freely on good long stems; long lasting quality, either on the plant or in water. We call this the finest white Dahlia for practical cutting, we have ever offered. 75 cts. each; \$7.50 per dozen.

Princess Pat. Flowers of immense size and perfect shape with invariably firm center; a pleasing shade of old rose, enhanced by artificial light. 75 cts. each; \$7.50 per dozen.

Romance. Vivid orange; close inspection revealing an oriental touch in the carmine which is dusted, streaked and splashed over its entire surface. The flowers are large and carried upright on long stiff stems. 75 cts. each; \$7.50 per dozen.



Insulinde



King of Commerce

MAIL ORDER BARGAINS in bedding plants, roses, hardy plants, etc., on Page 75. Take advantage of our surplus stock offerings at practically half-price.

In Autumn, when most other flowers have ceased blooming, Dahlias are at their best.

DECORATIVE DAHLIAS—Continued

Shower of Gold. Furnishes great quantities of attractive, long stemmed cut-flowers of fair size; petals rather narrow and sharp pointed, somewhat recurved. Brilliant yellow enriched by an apricot stain at center. 75 cts. each; \$7.50 per dozen.

Thompson. Tall, dark foliage; black stems. Protruding, conspicuous bloom; large, full petaled, recurved; brilliant scarlet, darker toward center.

Yellow Colosse. (Giant.) Solid primrose yellow; one of the most dependable and satisfying yellow varieties in the decorative class. 50 cts. each; \$5.00 per dozen. Unless noted, 30 cts. each; \$3.00 per dozen. By express—\$20.00 per 100.

“SHOW” DAHLIAS

This type is the most formal and perfect in shape, composed of short, stiff, numerous quills of varying character. They make excellent compact bouquets and usually outlast the other types when cut.

A. D. Livonia. Warm rose-pink, perfect flowers, with quilled petals which nearly overlap at the ends.

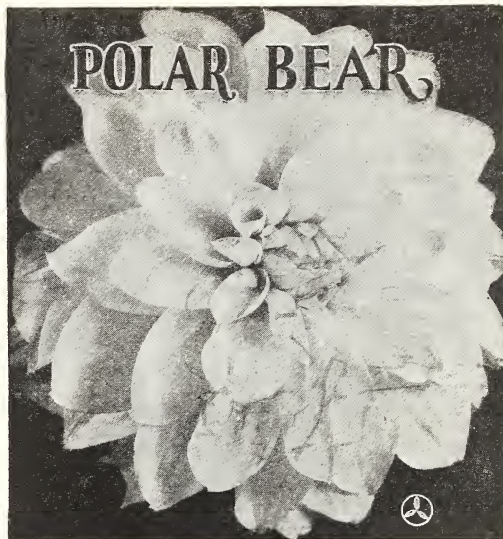
Arabella. An old favorite; primrose, tipped and shaded old-rose and lavender. A very energetic bloomer.

Chas. Lanier. Perfectly formed, fair sized, very prolific; rich yellow slightly tinged with copper.

Fire King. The short, rather flat petals are of the decorative type but so numerous and the entire flower so thick and compact, we assign it to the show class. The color is a sumptuous, velvety, ruby red; with a broad button center either darker, or rich with the effect of alternating bronze and garnet tips. 60 cts.; \$6.00 per dozen.

Grand Duke Alexis. (Giant.) Very large and full, with long, thick quills overlapping at the ends. White, slightly tinged and blotched lavender, especially at center. 35 cts. each; \$3.50 per dozen.

Lucy Fawcett. (Fancy Show.) Large, full, heavy, with well-opened quills. Pale straw color, indefinitely dusted and



splashed with tender rose to carmine; a persistent marking. 50 cts. each; \$5.00 per dozen.

Mrs. Wellesley. An old time favorite; creamy white, heavily tipped solferino and crimson. A charming bowl-bouquet subject, unmixed, its short stems, compact character and exceedingly brilliant color, making a very showy mass.

Snowball. Perfect ball shaped, color bluish white; free blooming, a fine cut flower type.

Unless noted, 30 cts. each; \$3.00 per dozen; \$20.00 per 100 by express.

WINTER CARE OF DAHLIAS

As soon as the frost kills the foliage, the strength of the stalk recedes into the bulbs. Then is the time to harvest. Your clumps are in perfectly dormant condition, having no sprouts, two or three days after your plant has been killed by frost. They will then keep perfectly all Winter and send forth their sprouts in the Spring.



Mrs. J. G. Cassatt



Fire King

See our bargain plant collections, page 75.

*Autumn Glow*

PEONY FLOWERED DAHLIAS

Tall growing, loose-petaled, large flowered and free blooming. One of their chief advantages over the other types lies in their big, fluffy, aggressive aspect, which makes them of great value for landscape use. All varieties are long stemmed and airily graceful. Very effective cut flowers; many having those soft, tender shades particularly lovely under artificial light.

Autumn Glow. Medium sized, semi-double profusely blooming on long stems. Brilliant canary-yellow surrounding an orange cushion, the outer two-thirds flaked and overlaid a velvety damask red. \$1.00 each.

Camille Frachon. A magnificent new French introduction, equally striking and beautiful whether in its prevailing Peony flowered type, or as a Duplex-Century, or frankly single. Tall and rugged, with an abundance of flowers averaging 6 to 7 inches. Intense, glistening, aniline red, deepening to rich garnet, which forms a much-rayed halo around the yellow disc. 50 cts. each; \$5.00 per dozen.

Mannheim. Four to five-inch, three-rowed flowers of the loose decorative type; cherry salmon, suffused with rose, underside bright rose. The general effect of a row of nodding stems is sparkling; showing first salmon, then rose as the wind blows. 50 cts. each; \$5.00 per dozen.

*Single Dahlia Avalanche*

U. S. A. A beautiful deep orange, very distinct in coloring. This unusual flower has met with much favor. Flowers large, of excellent form and held erect so as to display their beauty. Free flowering; an early variety, which continues blooming all season. \$1.00 each.

POMPON DAHLIAS



Medium to small size, of perfect show type, invariably with long, smooth stems. Especially good for small bouquets, sprays or dwarf beds.

Alewine. Blush pink, tinged with lilac.

Allie Mourey. Primrose, overlaid pink.

Bobby. Deep plum. 35 cts. each; \$3.50 per dozen.

Catherine. Rich golden yellow; perfectly double.

Little Beauty. Miniature Livonias. Little round, fully quilled balls of pure pink; make up beautifully in any design requiring a small, dainty flower. 35 cts. each; \$3.50 per dozen.

Little Prince. Bold and striking; from richest crimson-maroon to varying striped combinations of crimson, scarlet and white.

Pure Love. Deep lilac, extra fine form and free.

Unless noted, 25 cts. each;
\$2.50 per dozen.

SINGLE FLOWERED DAHLIA

Avalanche. Extremely florescent; stems of any length; flowers about 3 inches. Frost white, except for a pink flush when first awakened; center prominent in deep gold. This positively single type makes a remarkably effective field display, and furnishes dainty bouquets. 50 cts. each; \$5.00 per dozen.

At listed prices, we ship Dahlia plants and bulbs by mail and pay the postage.

GLADIOLI—the Finest Flowers for Cutting

We offer varieties of proven worth only

THIS CLASS of summer-flowering bulbs is doubly valuable for the field show of bloom, and for its cut-flowers. Gladiolus flowers last longer when cut than most any others, and open up best in water. Bulbs should be planted between April and May throughout the Northern States, followed by a second planting after two or three weeks for succession. Set bulbs 2 to 4 inches deep and 2 inches apart in the drills, single rows 12 inches, and double rows 18 inches apart. Beds do well planted 4 to 6 inches apart each way.

100 rate by express; for mail, add 25 cts. per 100.

RUFFLED GLORY GLADS

A distinct and valuable class; embracing some of the very finest of recent novelties. Their originator, Mr. Kunderd, worked not only towards large size and strong color markings, but particularly for the beautiful ruffled or fluted petals which are their principal distinguishing features.



Remembrance



E. J. Shaylor

	Each	Per Doz.	Per 100
E. J. Shaylor. A beautiful pure deep rose pink, recognized even in Europe by certificates of merit. Plant strong and flowers large.....	10c	\$1.00	\$ 7.00
Joe Coleman. Beautifully ruffled, a strong grower, with many flowers open at a time. Vivid cardinal red, brightened by crimson and enriched with maroon....	10c	1.00	7.00
Orange Glory. Strong orange color, slightly weakening in the throat	20c	2.00	15.00
Purple Glory. Largest of the class, deeply ruffled, darkly gleaming; maroon-red, its velvet richness heightened by almost black throat blotches. Stock is scarce..	30c	3.00	22.00
Remembrance. Tall spike, many large flowers open at one time. Deep salmon rose pink, throat heavily zoned.	15c	1.50	10.00
Romance. Damask and old rose, condensing richly toward margin, sharply edged burnt purple; the lower throat a streaky pattern of crimson on buff.....	20c	2.00	15.00

RUFFLED GLORY COLLECTION

One each of the six Ruffled Glory "Glads" described on this Page, all noted for their large size, strong color markings and beautiful ruffled or fluted petals. The six for

90c

One dozen each, enough to provide continuous bloom for several weeks if planted a few at a time. The six dozen for

\$9.50

S. & H. "OLD GLORY" MIXTURE of Large Flowering Gladioli



THIS mixture is becoming more famous each year. It is our own deliberately planned assembly of new and standard varieties. Each year we select new varieties to keep the "Old Glory" constantly up to date. We give it our own name and conscientiously maintain or surpass the original value which has made it become so popular. We recommend this "mixture" as the finest offered to the public under any trade name. A splendid assortment at special low prices. One dozen, by mail (postpaid)..... **60c**
\$4.50 per 100.

By express, 50 cts. per dozen; \$4.00 per 100; \$35.00 per 1000.

There are no plants easier to grow than the Gladioli.



America



Halley



Peace

GENERAL COLLECTION OF CHOICE NAMED GLADIOLI

Rate per 100 by express only. Add 25 cts. per 100 if ordered by mail.

	Each	Doz.	Per 100		Each	Doz.	Per 100
Alice Tiplady. (Primulinus). Orange saffron; flowers unusually large for the class, and beautifully ruffled.	\$0.08	\$0.75	\$ 5.00	Empress of India. A glorious rich dark mahogany red uniquely veined.	\$.20	\$2.00	\$14.00
America. Beautiful, soft flesh-pink, faintly tinged with lavender.	.06	.60	4.00	Evelyn Kirtland. Tall and stately; rosy pink, darker at edges dimming to shell-pink at center; brilliant scarlet blotches on lowers.	.10	1.00	7.50
Baron Hulot. Rich, deep indigo blue; a fine medium flower.	.10	1.00	7.00	Flora. Clear canary yellow with no markings. Larger than Schwaben; early, and long-stemmed.	.20	2.00	14.00
Bertrex. Slightly blushed white with rosallene purple blotch on lower petals; many open flowers at a time. Strong, straight spikes.	.15	1.50	10.00	Glory of Holland. A reliable white, slightly flushed with pink.	.20	2.00	14.00
Early Sunrise. 4½ feet high—with full heads of mammoth flowers from 4 to 6 inches across. Color is bright flamy red with a faint orange coating. Very early.	.15	1.50	10.00	Gretchen Zang. Soft pink merging into scarlet on lower petals.	.08	.75	5.00



S. & H. Co. "Glad" Collection

For Bed 20 feet long and 3 feet wide

25 EACH OF 10 CHOICE VARIETIES

3 FT.	A	B	C	D	E	F	G	H	I	J
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20 FT.

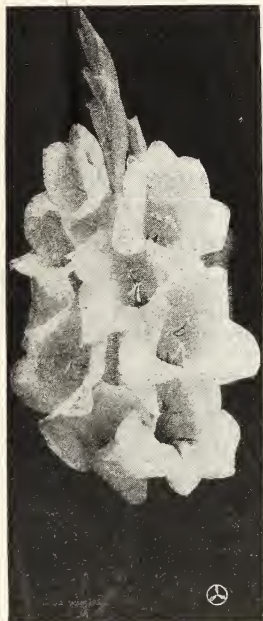
VALUE \$18.25

The 250 BULBS \$17⁵⁰
 BY EXPRESS
 BY MAIL \$18.00

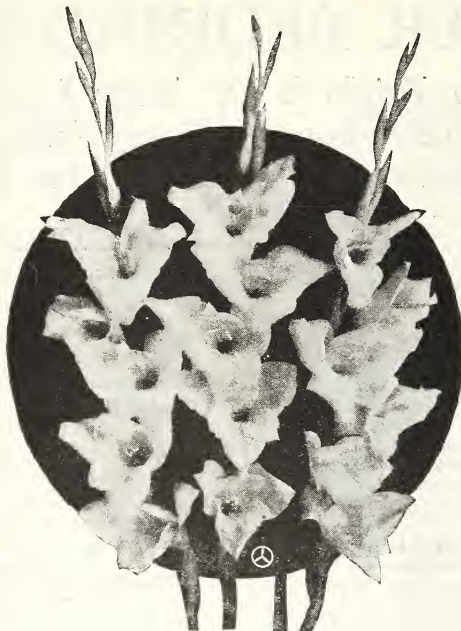
SAME BED 1½ FT. DEEP
 1 DOZ. EACH \$10⁰⁰
 VARIETY by Mail

- A. America
 B. War
 C. Peace
 D. Empress of India
 E. Evelyn Kirtland
 F. Early Sunrise
 G. Schwaben
 H. Mrs. F. Pendleton, Jr.
 I. Gretchen Zang
 J. Pink Perfection

Notice our Old Glory Mixture of Gladioli on the preceding page.



Schwaben



Alice Tiplady (Primulinus) P. 72



War

NAMED GLADS—Cont.	Each	Doz.	Per 100
Halley. Delicate salmon-pink, the lower petals showing a creamy blotch bisected by a red stripe. One of the earliest to bloom.	\$0.06	\$.60	\$ 4.00
Herada. Pure mauve, deeper shadings in throat and lower petals. ....	.10	1.00	7.50
Ida Van. Flaming orange pink. ....	.08	.75	5.00
Le Marechal Foch. One of the earliest, contemporary with Halley; twice the size of America; a beautiful shade of pink. ....	.06	.60	4.00
L'Immaculee. Pure white; long, slender spikes of a dozen or more. ....	.10	1.00	7.50
Lustre. Tall; vermilion-crimson. Wide open, numerous flowers, one of the showiest solid reds. ....	.25	2.50	17.50
Mrs. Dr. Norton. Immense flower, creamy white overlaid or tinted soft pink, end of petals showing a charming picotee of deeper pink. ....	.15	1.50	10.00
Mrs. Francis King. A fine strong growing variety with large spikes of bright, pure scarlet flowers. ....	.08	.75	5.00
Mrs. Frank Pendleton, Jr. Large and well expanded, of a lovely flushed salmon-pink, with blood-red blotches in the throat. ....	.08	.75	5.00
Mrs. Watt. The dark color is a rich unmixed velvety wine-color. ....	.10	1.00	7.50

NAMED GLADS—Cont.	Each	Doz.	Per 100
Panama. A new America, more deeply pink and a trifle larger.	\$.08	\$.75	\$ 5.00
Peace. A robust grower reaching 5 feet in height, with a correspondingly long flower spike; pure white with faint lilac markings. ....	.08	.75	5.00
Pink Perfection. Dainty, large flowers of apple blossom pink. ....	.10	1.00	7.50
Rose 1910. Extra large, a very fine shade of rose-pink; lower petals lined white, through center. ....	.10	1.00	7.50
Schwaben. Pure canary yellow shaded sulphur, the golden yellow throat slightly blotched dull carmine. Tall, strong, well set. ....	.08	.75	5.00
Virginia. (Scarlet Princeps.) A beautiful soft raspberry red, clearing up to begonia red in the throat. A charming self color. ....	.15	1.50	10.00
War. Flowers extremely large, plentiful, best of the late reds. ....	.15	1.50	10.00
Wilbrink. Very early light pink. ....	.10	1.00	7.50

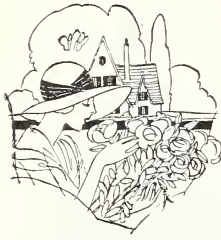
WINTER CARE OF GLADIOLI

Gladiolus bulbs are good year after year if dug in the fall and properly stored.

Dig gladiolus corms after they have ripened and allow them to dry. Cut off the foliage close to the corms after the foliage has dried and separate the old corms and roots from the new corms. Store in a place where they will not dry out.

Plant Gladioli a few weeks apart and have continuous bloom over a long period.

SUMMER BEDDING PLANTS



*To Brighten Up Your Lawn and Garden.
Lovely Flowers—Showy Foliage Plants for Beds,
Baskets and Vases from our Greenhouse Dept.*

IN THIS section we have grouped large classes of potted plants and other subjects, excepting the bulbs and hardy flowers, which are desirable for bedding plants. Potted plants which are mainly used as decorative house plants are listed, starting on Page 83. Of many of these plants we have probably the largest and most complete stock in the country.

Prices: All prices listed under this department are priced for delivery by mail, postage prepaid—unless otherwise specified. Express shipments are not prepaid.

We Guarantee Safe Arrival. Shipments of stock from our potted plant department, by mail or express, are guaranteed to reach destination in good condition. We should be advised if delivery is not made within a reasonable time after notification is mailed from this office. Examine stock carefully upon arrival, and report promptly any items damaged or in poor condition, both to us and to the delivering Express company. After safe delivery in good condition we do not assume responsibility for future growth or failure.

PLANTING TABLE

For Circular Beds

At 6 inches apart, commence outside row 3 inches from edge of circle; if 12 inches apart, then 6 inches from edge, etc. It is important to make the outer rows compact, although the inner rows may be more openly spaced. The table below is for circular beds, but if square will require about the same number of plants. An oval bed may be compared to a diameter found by adding length to breadth and dividing by two.

Diameter of Bed	Plants 6 In. Apart	Plants 12 In. Apart	Plants 18 In. Apart	Plants 24 In. Apart	Plants 30 In. Apart
3 feet	28	7			
4 feet	48	12	6		
5 feet	80	20	8		
6 feet	112	28	12	7	
7 feet	152	38	18	9	
8 feet	200	50	24	12	
9 feet	256	64	28	16	
10 feet	320	80	36	20	13
11 feet	380	95	42	24	16
12 feet	452	113	50	28	18
13 feet	528	132	59	33	22
14 feet	612	153	68	39	25
15 feet	704	176	78	44	28
16 feet	804	201	89	50	32
17 feet	904	226	100	57	36
18 feet	1016	254	113	63	40
19 feet	1132	283	126	71	46
20 feet	1256	314	139	78	50

Formula for computing number of plants in each row of a circular bed: Radius (in inches) $\times \frac{6\frac{1}{2}}{\text{Interval}} = \text{plants}$. Each interior row requires 6 plants less than the next larger circle. Compute outer row first.

ABUTILON (Flowering Maple)

Popular as pot plants, and for summer bedding, vases and baskets. The flowers are deep bell-shaped, in various colors, solitary, well distributed over the plants, borne in profusion throughout the entire season.

Daydawn. Flowers bright daybreak pink.

Golden Bell. Tall growing, profuse in golden bloom. This is particularly good for garden show.

Savitzi. A Japanese variety that is deservedly popular as a decorating plant, its sharply variegated green and white foliage making it very attractive and showy. 25 cts. each; \$2.50 per dozen.

Snowstorm. Flowers pure white.

Souvenir de Bonn. Deep green maple-shaped leaves, irregularly bordered with creamy white. Very free flowering, with bright orange flowers, veined crimson. 25 cts. each; \$2.50 per dozen.

Splendens. A beautiful deep red variety, dwarf growing, with foliage a pleasing shade of green.

Thompsoni. Flowers salmon-pink, foliage blotched with yellow.

25 cts. each; \$2.50 per dozen.

Unless noted, 20 cts. each; \$2.00 per dozen.



Abutilon Souvenir de Bonn

This catalog is our only salesman.

ACHYRANTHUS

Thrive in any soil; are not easily killed by frost. They make intensely bright beds, and show off splendidly in borders against taller growing plants.

Herbsti. Transparent leaves of rosy carmine, intensely brilliant; compact and dwarf growth.

McNally. Red stemmed; bright, rich green with yellow arching veins. A robust grower.

15 cts.; \$1.50 per doz. By express—\$10.00 per 100.

ACALYPHA

One of the popular colored types of bedding plants, with various attractive leaf-formations.

Sanderi. (Chenille Plant.) Foliage deep glossy green; the flowers being fuzzy, bright red, rope-like pendants, often 18 to 20 inches long, drooping from the axil of each leaf. They make showy specimen pot plants, and are very cheerful summer bedders.

Triumphans. Crisp, pointed, ovate leaves of light red, fantastically marbled in darker shades.

Wilkesiana. The broad leaves are oddly and capriciously variegated in blocks, splashes, streaks, or spots, or all, in uncertain proportions. Colors range through combinations of light to very dark greens, pale red to maroon, pale yellow to bronze.

PRICE: 25 cts. each; \$2.50 per dozen.

AGERATUM

The flowers appear in great profusion all the season, in rounded terminal umbels, each floret a small round bur of protruding, but soft bristles. They appear to greatest value as an edging, or massed.

Blue Star. Bright blue, star shaped flowers in dense clusters; even, dwarf growth not over 4 to 5 inches.

Tapis Blue. Dark and showy.

15 cts.; \$1.25 per doz. By express—\$8.00 per 100.



Acalypha Sanderi

MAIL ORDER BARGAIN COLLECTIONS

of plants at half price—20 different sets 85c each postpaid

These bargain collections can be offered cheap because they are assembled in large quantities and at one time, at a minimum handling expense. You get the same quality of plants that you would receive were they purchased as single items and save practically half the cost.

CHOICE VARIETIES

Select the sets you want, but the choice of varieties must be left to us. Plants and bulbs used in filling these collections are not the cheapest varieties by any means. Often we include many novelties and especially good varieties of which we have a surplus.

Mention Numbers wanted. Our Selection of Varieties, Each Set for . . .

85c
POSTPAID

The prices of all collections are NET except that we will send 5 collections for . . .

\$3.75

- Set No. 1— 6 Hardy Climbing Roses, in 6 varieties.
- Set No. 2— 6 Everblooming Roses, in 6 varieties.
- Set No. 3— 6 Geraniums assorted.
- Set No. 4— 6 Carnations assorted.
- Set No. 5— 6 Double Petunias, 6 varieties.
- Set No. 6— 6 Begonias assorted.
- Set No. 7— 6 Large Flowered Cannas, 6 varieties.
- Set No. 8— 6 Hardy Mums, in 6 varieties.
- Set No. 9— 6 Basket or Vase Plants.
- Set No. 10— 6 German Iris, 6 varieties.
- Set No. 11— 30 Gladiolus bulbs—mixed varieties.
- Set No. 12— 8 Choice Herbaceous plants, all different.
- Set No. 13— 6 Hardy Phlox, 6 varieties.
- Set No. 14— 5 Dahlias in 5 varieties.
- Set No. 15— 6 Hardy Shrubs in 6 varieties.
- Set No. 16— 6 Hardy Climbing Vines, 6 varieties.
- Set No. 17— 6 Wichuriana or Creeping Roses, 6 varieties.
- Set No. 18— 6 Fern Dish Ferns, in assortment.
- Set No. 19— 2 Lantanas, 2 Heliotropes, 2 Ageratums.
- Set No. 20— 4 Hardy Lilies, in 4 varieties.

We have 45 greenhouses where we grow bedding plants.

ALOYSIA CITRIODORA (Lemon Verbena). The well known "Lemon Verbena," noted for its delightful fragrance of foliage.

20 cts. each; \$2.00 per dozen.

ALTERNANTHERA

Bright, dainty little foliage plants extensively used for dwarf edging and for carpet bedding.

Aurea. Fine leaved; bright yellow, touched with green.

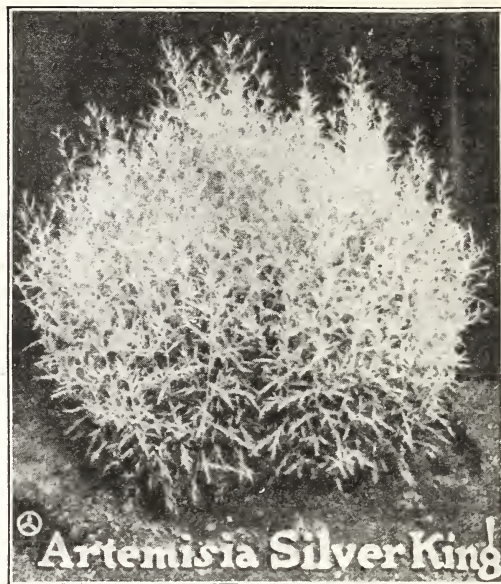
Brilliantissima. Rather broad leaves, bushy growth; mottled bronze and cream, but mostly bright red.

15 cts.; \$1.25 per dozen. By express, \$8.00 per 100.

ARTEMISIA SILVER KING

(The New Misty "Mixer" for Bouquets)

Here is something new and outstanding. A strikingly effective white leaved contrast plant. A beautiful "mist" for setting off bouquets and floral combinations. A splendid filler for Canna beds, Larkspurs or other tall plants. Silver King is a vigorous quick growing plant with a close network of branches, fine stemmed and slender leaved. The opening leaf buds gleam like tiny beads, the entire color-effect bright frosted silver. The plants are matured and very showy early in summer, growing into compact symmetrical globes up to 3 feet high, which remain objects of beauty until lost against Winter's snowy background. Long sprays may be cut to mix with flowers (pink rose-buds being a favorite association), and the tops may be kept cut out to hold a desired height. Various tests in colder sections than ours, have proved it a hardy perennial; but until better known, we prefer to recommend it simply as an extremely fine and serviceable annual. 2½-inch pot plants, 25 cts. each; 3 for 65 cts; \$2.50 per dozen. By express, \$18.00 per 100.



BEDDING BEGONIAS

Gracilis Luminosa. A magnificent Semperflorens, with flowers large, perfect and plentiful, and never out of bloom. Color the brightest scarlet.

Prima Donna. A good bedding Begonia with large, free flowers of bright pink.

White Pearl. Large, waxy white flowers; practically everblooming; growth rapid and bushy.

20 cts. each; 3 for 50 cts.

\$2.00 per dozen. By express, \$15.00 per 100.

BROWALIA

Browalia Speciosa. A conspicuous plant, with numerous single flowers of deep indigo blue, fully 2 inches in diameter, blooming continually. Equally for beds, pot plants, boxes and baskets.

20 cts. each; \$2.00 per dozen.

CALADIUM ESCULENTUM

(Elephant's Ear)

For obtaining tropical effects in lawn and garden planting this beautiful plant, which grows from a bulb, takes a prominent place. Stands 6 to 7 feet high, with bright green leaves 3 to 4 feet long and 2½ feet wide. Should have plenty of water and good rich soil. Is a splendid adornment for the banks of fountains and lily ponds, or any rockery work where plenty of moisture is available.

	Each	Dozen	Express
Extra large bulbs.....	35 cts.	\$3.50	\$3.00
First size bulbs.....	20 cts.	2.00	1.75

Plants for Bedding Uses

Listed elsewhere in this Catalog

	Pages
Cannas	62-63
Dahlias	64-70
Gladioli	71-74
Lily of the Valley.....	44
Strobilanthus Dyerianus	91
Tuberous Rooted Begonias.....	84



Caladium (Elephant's Ear) in the rockery

Order bedding plants early. We ship at just the right time.

CHRYSANTHEMUMS—of All Types

Colorful Show Flowers Hardy Autumn Varieties

THE magnificent, large flowered, fancy sorts may be forced and developed under glass, to the highest state of perfection; but are not hardy enough to survive the rigors of winter outdoors. The average householder, therefore, must depend upon his garden for the 'Mum show; and is thus limited to the Earlies, Mid-seasons, Pompons, etc., which will bloom freely during the fall, and before winter sets in. Buy young plants each season, like Geraniums; their first bloom is best.

LARGE FLOWERED TYPES

(E) for Early; (M) for Mid-season; (L) for Late. **Celebration (M).** For cutting, one of the best in its season; a high colored golden yellow.

Chieftain (M). Globular, incurved; rose-pink color.

Glorious. (E). Similar to Chieftain in its full, globular form and expression, but earlier, and a truer pink with a touch of yellow at base of petals. 25 cts. each; \$2.50 per dozen.

Marigold (E). Of exceptional size and bright yellow color; choice blooms often forced to 9 inches diameter.

Oconto (M). A beautiful white Japanese type, of moderate size but perfect ball shape; quite hardy.

Richmond (M). A golden yellow; noticeable for its long season, perfect fullness and silky finish.

Rose Perfection. (M). Large, perfect, crisp, and long-keeping; an even shade of bright rose, one of the most attractive exhibition varieties. 25 cts. each; \$2.50 per dozen.

Smith's Supreme (E). Probably the very earliest good pink, a soft pretty shade, in loosely incurved form.



Rose Perfection

Sun Glow (E). Bright yellow flowers of Bonnaillon type, very perfect in form.

White Chieftain (M). A perfect ball; one of the most dependable for late October bloom.

Unless noted, 20 cts. each; 3 for 50 cts.; \$1.75 per dozen. By express, \$10.00 per 100.

POMPON 'MUMS—the daintiest of all



Snowdrop

The flowers run from 1/2 in. to 2 inches in diameter; small petaled, very compact and formal "buttons"; or variably larger with longer petals, and looser; usually in rather close clusters so that one cut spray is a bouquet in itself. As pot-plants the Pompons are very satis-

factory and furnish some of the daintiest table decorations of the fall and winter season.

Bright Eyes. Until finally unfolded, the incurving central petals show their reverse in strong orange-apricot, making a decided contrast against the blush white of outer layers.

Christmas Gold. Profusely blooming, normal size, perfect buttons, bright golden yellow. Fine pot plant.

Golden Harvest. Medium buttons, attractive, peculiar shade; deep, golden yellow, touched with bronze.

Little Pet. Small, bright rosy-crimson.

Little Tot. Pale rose pink. Flower sprays remarkably full and attractive, because tip and side branches bloom simultaneously.

Snowdrop. Dwarf bushy, free flowering, October bloom. Little pure white buttons.

Unless noted, 20 cts. each; 3 for 50 cts.; \$1.75 per dozen. By express—\$10.00 per 100.

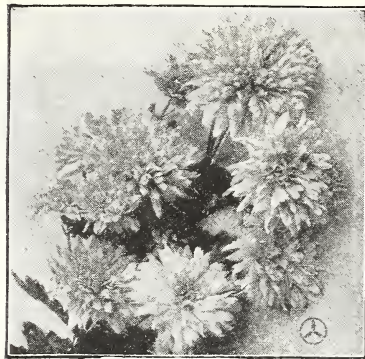
SET
No. **S. & H. Collection of**
8 HARDY MUMS

6 Chrysanthemums in 6 varieties. Our selection of varieties.

A BARGAIN.....
5 Collections for \$3.75.

85c
POSTPAID

Chrysanthemums are the keynote of the autumn season.



Boston Bronze



Glory of Seven Oaks



Mitzie

ANEMONE 'MUMS

The Anemones are distinct garden kinds and very useful when cut in sprays for floral decoration. Plants grow 2 to 3 feet; and bloom extravagantly with clustered flowers averaging 3 to 3½ inches wide. The central cushion or disc of dense, short quills, rests on one or more layers of usually flat ray florets.

Co-ed. Ray petals abnormally reflexed. Soft pink, with strong yellow tinge at center of cushion.

Emma. Tender pink grading outward to flesh pink, the whole flower illuminated by its center of yellow.

Garza. A perfect type; of medium size, disc compact, rays broad. Purest white, with yellow center.

Maple Leaf. All the changing shades of red and yellow which autumn gives the Silver Maple.

Sunshine. Crowded sprays of intense yellow.

The Belle. Purest white, both disc and rays.

Yellow Garza. Clear, bright yellow of the Garza type.

20 cts.; 3 for 50 cts.; \$1.75 per dozen.

By express, \$10.00 per 100.

HARDY GARDEN 'MUMS

The following fine, rugged varieties assembled from Pompon, Anemone, and various classes, have proven hardy throughout the middle-west, with some protection during winter. It is advisable to cut off the old tops to a few inches above ground, then cover with old straw or leaves before winter sets in. The best bloom will result from annual transplanting, separating the year-old clump into small divisions.

COLEUS—Noted for its Beautiful Colored Leaves

Broad-leaved, bushy foliage plants which are unmatched for brilliancy and unique arrangement of colors. Some of the fancier sorts are painted in designs as indescribable as the traceries of frost. The more solid colors are in most general use for large bedding schemes. Cecil Brown, for its fine trailing habit, and various of the fancy patterned sorts are largely utilized in box and vase work.

Beckwith's Gem. The center is dark velvety maroon, bordered fiery red, the edge green, changing to creamy yellow at the point of the leaf. Most popular dark kind.

Cecil Brown. (Trailing Queen.) One of the most attractive for close bedding, boxes and hanging baskets ever introduced.

Adironda. A button pompon, rich golden bronze.

Alice Howell. Orange yellow; early and continuous.

Ashbury. Lilaceous pink; showy and dependable.

Autumn Glow. Large flowers of rosy crimson.

Boston Bronze. A splendid, satiny light bronze cut flower, extra large and full. 25 cts. each; \$2.50 per dozen.

Brune Poitevine. Large informal flowers, dull mahogany red, the under surface and curling tips bronze gold.

Champagne. Large flowered. Vinous red.

Eden. Good sized, lilac rose with dense gold tipped center.

Eugene Langauet. Rich coppery bronze.

Excelsior. Bright orange yellow; very free.

Glory of Seven Oaks. ("Everblooming Hardy 'Mum").

Brilliant clear yellow. Earliest and longest season of any field variety; popular for any use.

Indian Red. Crushed strawberry-red over copper.

LaSomme. Blush pink with protruding yellow center.

Mitzie. Dwarf growth, but extravagant bloom. Medium flowers, bright yellow with red center.

Petit Louis. Tall, rose pink with bronze center.

Rose Travena. Very deep shade of rose-pink; large.

Ruth. Rich claret red.

White Doty. Milk white somewhat creamy at center; the beautiful close-quilled form of Lillian Doty.

Winnetka. Large flowered. Creamy white.

Wm. Sobey. Tall; flattish flowers, canary yellow.

Wolverine. Early. Large yellow flowers.

Unless noted, 20 cts. each; 3 for 50 cts.; \$1.75 per dozen. By express, \$10.00 per 100.

Rather small scalloped leaves of dark green, evenly checked with curving maroon lines; the wedge-shaped center gay with magenta and cream. This variety has assumed an important place as a vine for porch boxes, not usually alone, but mingled with Ivy, Asparagus, etc.

Crescent. Beautiful pointed leaves edged Nile green, but mainly a velvety red-maroon with a center wedge of crimson pink.

Daytonia. Yellow and green, with varying red-brown center.

Glory of Autumn. Most vivid autumnal colorings in great variety on every plant, each leaf defined by a heavy beaded border of applegreen.

You can't flower the gorgeous exhibition Chrysanthemums in an ordinary room.

COLEUS—Continued

Golden Crown. Brightest yellow for bedding. Used frequently for a yellow ribbon in circular beds, between the Scarlet Salvias, and a bronze-red edging of Alternantheras.

Her Majesty. Rich, warm red-brown without a blemish, confined within a beaded edge of gold.

Hollywood. (Novelty.) Clustered small, crinkled leaves defined by yellowish green scallops. The surface a distinctly threaded tapestry; warm, and richly patterned in its shades of red and moldy bronze, carmine and madder rose. 20 cts. each; \$2.00 per doz.

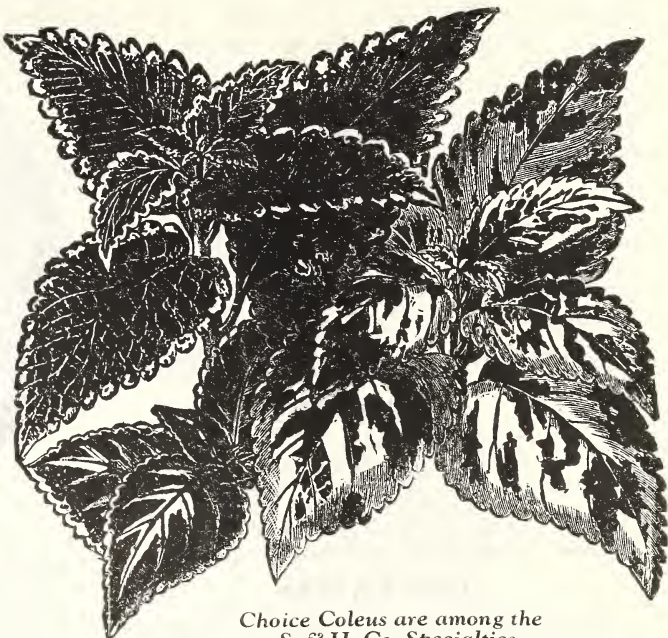
Princess. Broad, velvety leaves of purple madder brown, with beaded green edge and magenta midrib. 20 cts. each; \$2.00 per dozen.

Queen of the West. A center wedge of creamy white bordered green; the whole margined yellow and streaked carmine and maroon.

Verschaffelti. Rich velvety crimson.

Unless noted, 15 cts. each; \$1.50 per doz.

By express—\$8.00 per 100.



*Choice Coleus are among the
S. & H. Co. Specialties*

COTONEASTER

Being difficult to transplant in the average shrub size, we are growing them in pots to send out in a thrifty young stage, for greater security. Plant them in any good well drained soil, avoiding shade or moist situations.

Horizontalis. A dwarf shrub with densely spreading horizontal branches almost prostrate. On account of its habit, is much appreciated in rockeries and the front of borders, to display its crimsoning leaves and scarlet fruits, deep into winter. 4-inch pot plants, \$1.00 each; \$9.00 per 10. By express—75 cts. each; \$7.00 per 10.



Fruits of Cotoneaster Horizontalis

CUPHEA (Cigar Plant)

Tricolor. A bushy bedding or basket plant about 15 inches high, bearing great numbers of narrow tubular flowers, bright scarlet, purple and white tips. 15 cts. each; \$1.25 per dozen.

HELIOTROPE

This altogether delightful old plant has ever been a great favorite among those who enjoy and appreciate garden perfumes, and flowers of dainty type.

Centeffleur. Dwarf growing with fine, neat foliage. Flowers are deliciously fragrant, florets wide and flat, color deep true heliotrope, with conspicuous white eye. Sprays are of the largest size, completely covering the plant. 25 cts. each; \$2.50 per dozen.

Florence Nightingale. Bright lavender.

Snow Wreath. Blooms in large trusses of clean white flowers. This has perhaps the sweetest perfume of any, and mixes prettily with the blues.

Unless noted, 20 cts. each; \$2.00 per dozen.

HIBISCUS SINENSIS

Strong growing tropical plants with handsome glossy foliage and large, brilliant, showy flowers. In a warm sunny window they make fine decorative plants and bloom profusely. In open ground during summer they make a gorgeous display with bright colored flowers.

Cooperi Tricolor. Shrubby upright growth with drooping leaves of irregular outline, in sizes graduating according to their age. Their color is one of the best examples of variegated foliage to be found among the house plants, a capricious splatteration of greens, pinks and white. 2½-inch pot plants—30 cts. each; \$3.00 per dozen.

This catalog is our only salesman.

HIBISCUS—Continued

Collieri. Rich buff with distinct crimson throat markings—20 cts.

Mineatus Semi-Plenus. Half double, prettily ruffled flowers; light vermilion scarlet—20 cts. each.

Peachblow. Flowers double; of a rich shade of clear pink, with small, deep crimson center; most beautiful shading; 4 to 5 inches in diameter. Blooms freely even on small plants. 25 cts.; \$2.50 per dozen.

2 yr. old, from 4-inch pots, 60 cts. each.

Red Peachblow. The usual fully double petalage of the type, but strongly colored with red, a violaceous overcast making it very attractive. 30 cts.; \$3.00 per dozen.

Sub-Violaceous. Branchy growth; with large, mainly single flowers of light crimson. 25 cts.

IMPATIENS

Impatiens Sultana Hybrids. Seldom out of bloom, when at their best spangled with flat, single flowers, ranging from intense carmine-rose to white; against a rounded background of glossy green leaves. In separate colors, **Red, Pink, White** or **Mixed.** 20 cts. each; \$2.00 per dozen.

LANTANAS

Profusely blooming bedding plants, growing from 12 to 18 inches high, also popular in baskets and boxes. They are in bright, catchy bloom continuously from spring until frost cuts them down in the fall; at all times emitting a pleasant, pungent fragrance. The flowers are small, bright-eyed cups, set quite closely together in rounded umbels 2 to 4 inches across. Their colors run to brilliancy, and unite two or more contrasting but harmonious shades.

Aurora. Large flowered; dark and light shades of pink with yellow center.

Countess de Biencourt. Brilliant rose-pink surrounding a center of creamy yellow.

Craigi. Dark, cardinal-red velvet, its center studded with gold; extremely florescent.



Peachblow

Harkett's Perfection. Golden variegated foliage; flowers yellow and pink.

Iolande. An especially good dwarf variety; a showy commingling of crimson, orange and yellow.

Jacob Schultz. Rich, velvety crimson-wine; with a varying center of blood orange; the darkest and showiest sort. Especially noticeable and pleasing in generous beds.



Weeping Lantana. A fine plant for winter flowering in pots or small summer hanging baskets. Flowers delicate rose lilac in compact umbels, borne freely all over the plant from the base of each leaf stalk. Its long, drooping flower laden sprays are unique among summer plants.

All Lantanas 20 cts. each; \$2.00 per dozen.

By express—\$14.00 per 100.



Bedding Lantanas

You should find everything you need for the garden in this catalog.

PANSY PLANTS

Thrifty started plants already in bloom. Colors and markings are widely varied, and very beautiful. 50 cts. per dozen; \$3.50 per 100. By express—\$3.00 per 100; \$27.00 per 1,000.

PARIS DAISY or "Marguerite"

The Marguerites are a delight in the garden where their conspicuous flowers, and rich green, indented foliage blend harmoniously with other bedding plants. Potted, they carry nicely in bloom through the winter. Used to advantage in summer boxes.

Boston Yellow. A yellow counterpart of Nicholson's.

Nicholson's Long-Stem White. The best for cutting on account of unusual size, and length of stem. 20 cts. each; \$2.00 per dozen.

PELARGONIUMS

(Lady Washington Geraniums)

A valuable class of house and garden plants resembling Geraniums; reveling in hot sunlight; withstanding temperature and glare that would shrivel other flowers. All they ask is plenty of water. They do not grow as dense or compact as Geraniums, consequently it is advisable to pinch back the long shoots once or twice prior to their blooming season in April, thus insuring a nicely rounded, bushy shape.

Easter Greeting. Flowers are large and free; bright amaranth red, each petal marked with a dark blotch. This variety is distinct from the rest—being, in fact, the original of a type—remarkable on account of its long blooming season, not only producing its prime crop very early in spring, but ordinarily continuing throughout summer and fall.



Superb Giant Pansy

PELARGONIUMS—Continued

Escot. Very large white flowers with crimson blotches on upper petals and small spots on lower; most popular sort for "Mother's Day."

Dorothy. Flowers large; rosy salmon with dark maroon blotch on upper petals, richly shaded plum color around the throat.

30 cts. each; \$3.00 per dozen.

Gardeners' Joy. Largest flower clusters of any kind. The ground color is apple-blossom pink, the two upper petals heavily blotched with brown.

Montebello. Dwarf, stocky; extra free bloom; medium sized flowers in compact trusses. Soft pink, with white center.

Mrs. Loyal. (The genuine "Pansy Geranium.") Rounded, satiny, exquisitely marked and colored. Its colors range from a large crimsoned chocolate center through pink to white at the edges. Growth characterized by compactness and sturdiness.

Wurtembergia. Medium sized florets; bright carmine with large velvety, sharply defined blotches. Unless noted, 25 cts.; 3 for 65 cts.; \$2.25 per doz.



PETUNIAS DOUBLE FLOWERED

We are listing five distinct color types which are almost perfect balls of wrinkled petalage. They furnish an unlimited amount of bloom throughout the summer, fragrant and dainty and altogether delightful. This double flowered class will profit wonderfully from extra soil enrichment, frequent cultivation and plenty of water; they are worth extra attention. In separate colors: **Red, Pink, Purple, White and Variegated.**

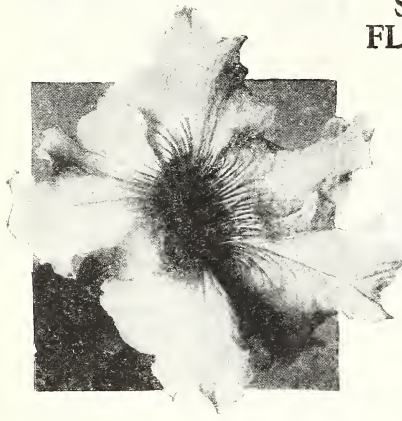
20 cts.; \$2.00 per doz. By express—\$14.00 per 100.



Escot

In gardening, don't overlook provision for Vegetables and Fruit.

PETUNIAS—Continued



SINGLE FLOWERED

Giant Ruffled. Flowers beautifully ruffled and fringed; colors rich and gorgeous, with deep throats of various shades. Fine single mixed. **Rosy Morn.** Of com-

compact, bushy growth, 15 inches in height, covered the entire season with 1½-inch flowers. Throat silvery-white, outer edge heavily shaded soft rose-pink.

Triumph. A splendid new large flowering single variety of uniform growth and general superiority as a mass bedder. It is beautifully ruffled, and very conspicuous in its clear, bright cerise-pink color.

20 cts.; \$2.00 dozen. By Express—\$14.00 per 100.

SALVIA (Scarlet Sage)

The showiest, cheapest and most practical red obtainable, for summer beds and borders.

America. Finest and showiest of all the Salvias; the earliest, freest and most continuous bloomer. Plants grow about 15 inches high, precisely uniform, richly green; above which blaze the immense compact spikes of scarlet flowers to a maximum height of 2 feet.

Splendens. Long spikes of dazzling scarlet flowers remaining in bloom until cut down by frost.

15 cts.; \$1.25 per doz. By express—\$7.00 per 100.

Pink Salvia. Very pretty garden effects may be obtained from use of this novelty, which is bushily compact, with full spikes of rich salmon pink. 20 cts. each; \$2.00 per dozen.



Salvia (Scarlet Sage)

White Salvia. Equal in size and quality to any previous sort, in color a clear cream white. 20 cts. each; \$2.00 per dozen.

TUBEROSE

Excelsior Pearl. Fall flowering bulbs; long, compact spikes of double, waxy white flowers, exquisitely perfumed. 3 for 25 cts.; 75 cts. per dozen. By express—\$5.00 per 100.

VERBENA

These are compact, showy flowering plants of considerable value for outlining beds, or as entire 15 to 18-inch high beds of solid or mixed colors. Beautiful, highly colored umbels borne very freely throughout the summer bedding season. Assorted colors in Purple, Scarlet, Pink and White. 15 cts.; \$1.25 per dozen. By express—\$7.00 per 100.

VINCA

Periwinkle. Everblooming bedding plants growing to 12 to 15 inches in height; the flowers Phlox shaped in moderate terminal clusters. In separate colors, **rose or white.** 15 cts.; \$1.50 per dozen.

VIOLETS

Princess of Wales. Broad Pansy-like flowers of a beautiful violet purple shade, with lighter center. A vigorous growing plant with clean, healthy foliage and stiff long stems. One of the most beautiful and free flowering Violets. 20 cts. each; \$2.00 per dozen.

Frey's Fragrant. A thrifty, strong-growing, hardy violet with a great crop of large, single, exceedingly fragrant bloom. 25 cts. each; 3 for 60 cts.

WINDOW BOX PLANTS



WINDOW BOX Special

6 Double Petunia Plants, Our Selection of Varieties. By mail, postpaid.

A BARGAIN.. **85c**

and Plants for Vases and Hanging Baskets

Anthericum Vine
Abutilon (Flowering Maple)
Asparagus Sprengeri
Begonias
Browalia Speciosa
Caladiums, Fancy Leaved
Ferns
Geraniums
Lantanas
Petunias
Verbenas

Salvia is one of the most showy plants grown.

DECORATIVE HOUSE PLANTS

and TENDER VINES for Growing Indoors

PLANTS give to the home a charm that nothing else can give. Color of foliage and flower is a living color, completely lacking in any other form of decoration. Then, too, there are plants of every form from which to choose—foliage plants, ferns, graceful vines or brilliantly colored flowers, such as the Azaleas and Begonias. We have probably the largest stock in the country of some varieties.

We guarantee safe arrival at destination of all pot plants.

Prices. All prices listed are for delivery by mail, postage prepaid, unless otherwise noted. Express shipments are not prepaid.

ALLAMANDA

Hendersoni. A choice greenhouse plant with magnificent flower-bells 3 to 4 inches in diameter; the richest, purest, waxiest yellow imaginable, and sweetly fragrant. This fragrance is entirely distinct, and unforgettable. Plant is strong growing, with a decided climbing tendency which makes it valuable for training on conservatory pillars and interior trellises.

30 cts. each. By express, 4-inch pot plants, \$1.00.

AMARYLLIS

New Hybrids. In this new selection of improved types, we offer a most delightful range of colors, both solid and in combination. They run through shades of red and rose to white; not offered separately, but in mixture.

First size—\$1.00; \$10.00 per dozen.

Second size—60 cts.; \$6.00 per dozen.

ANTHERICUM

Vitatum Variegatum. A showy decorative plant for the house or in summer window box or vase, growing in attractiveness as its bulk increases. The foliage is handsome, bright green, evenly striped and margined white.

20 cts. each; \$2.00 per dozen.

Goldianum. A new variety of above, equally large and thrifty but more compact in habit. The major part of the arching leaf is a strong white gold,



New Amaryllis Hybrids

the margins moss green with occasional broken thin stripes of brighter green.

25 cts. each; \$2.50 per dozen.

4-inch pot plants—50 cts. each; \$5.00 per dozen.

ASPARAGUS

Brilliant green foliage indoor trailing plants used for bracketed pots, window boxes and hanging baskets.

Plumosus Nanus. The lace-like texture of its foliage outclasses Maiden Hair Fern for grace and daintiness; the long emerald sprays making a rich setting for cut flowers of all descriptions.

Sprengeri. Mostly used for hanging baskets where its long dense trails make a gleaming mass of green.

20 cts. each; \$2.00 per dozen.

4-inch pot plants—35 cts.; \$3.50 per dozen.

ASPIDISTRA

Lurida. An easily grown decorative house plant. Thrives indoors where few other plants would succeed. 6-inch pots—\$1.50.

AUCUBA

Japonica Punctata. (Gold Dust Plant.) A fine bold plant, especially attractive as large specimens, useful and graceful as palms for hall decoration and a splendid subject for the summer veranda. Leaves are broad; rich shiny green thickly spotted with gold. 3-in. pots, 6 to 8 in. high—35 cts. each; \$3.50 doz. **By Express:** 4-in. pots, 8 to 10-in. high—60 cts. each; \$6.00 doz.

NEW JAPANESE KURUME AZALEAS

Splendid substitutes for the Azalea Indica of pre-war days, providing excellent and welcome flowering pot plants for winter house decoration.

Christmas Cheer. Flowers semi-double; a cheerful, brilliant "Christmas"-red.

Daphne. Single flowers of silvery white, stained at the edge of petals with delicate mauve.

Pink Pearl. Extra large and full trusses, semi-double; a warm salmon-carmine, lighter at center.

Snow. Pure white.

3-in. pots—35 cts.; \$3.50 per dozen.



Anthericum Goldianum

Consult our Vegetable Seed section—page 113.

*Argentea Guttata*

FLOWERING BEGONIAS

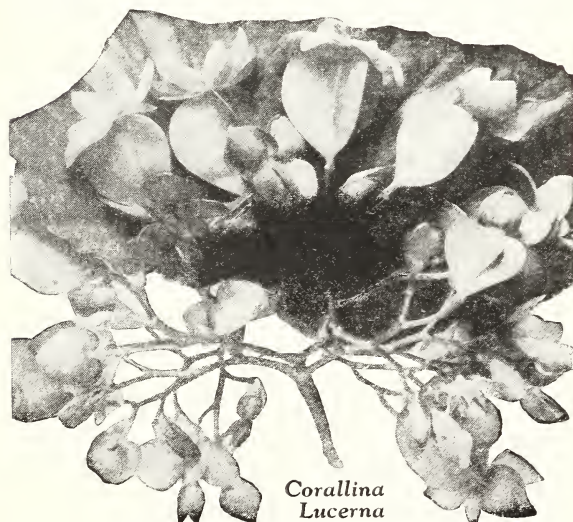
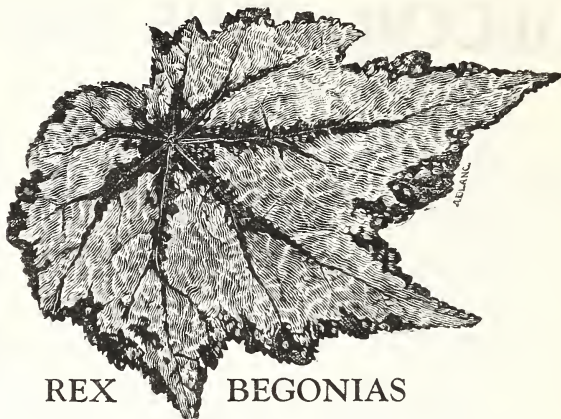
Argentea Guttata. Purple bronze leaves, oblong in shape, with silvery markings; white flowers.

Corallina Lucerna. A splendid upright, vigorous grower, with long leaves of spotted olive green, a bright wine-red beneath. Enormous trusses of perfect coral red flowers make this variety one of the showiest and most desirable kinds in cultivation. 30 cts.; 3 for 75 cts.

Rubra. The flowers are a rich coral red hanging in large pendent clusters. One of the best.

Thurstoni. Under side of leaves is rich, purplish red, veinings prominent, upper side bronzy green, shaded with crimson and olive, peculiar glossy metallic luster over all. Flowers rosy white in large clusters. 30 cts.; 3 for 75 cts.

Unless noted, 20 cts.; 3 for 50 cts.; 8 our choice, \$1.20.

*Corallina
Lucerna*

REX BEGONIAS

The broad leaves, high colorings and exquisite markings of Rex Begonias makes them invaluable as decorative house plants and for baskets and vases, if given plenty of moisture and not exposed to the full rays of the sun. We have good stock, in fine variety.

Mixed varieties, varied colorings—30 cts. each; 3 for 75 cts.

TUBEROUS ROOTED BEGONIAS



This is indeed a most interesting section. The flowers vary considerably as to form and size, ranging from 2 to 4 and even 6 inches across, with some of the single ones perfectly smooth, while others are fluted or distinctly fringed. The colors are delightfully vivid and distinct.

When grown outside, the Tuberous Rooted Begonias should be taken up before cold weather, spread out to dry, and be packed away in boxes of dry sand and stored through winter in some cool place, yet not where frost can reach them. Some little time before planting outside in spring they should be potted and kept inside until well started. They delight in a partially shaded location in soil composed of leaf mold, sand and well rotted manure.

SINGLE FLOWERED. Separate colors, white, pink, scarlet, crimson, salmon and yellow. 25 cts. each; \$2.50 per dozen; \$18.00 per 100.

DOUBLE FLOWERED. Varieties in separate colors, white, pink, scarlet, crimson, salmon and yellow. 30 cts. each; \$3.00 per dozen; \$22.00 per 100.

We guarantee safe arrival of plants from our Greenhouse department.

BOUGAINVILLEA

Bright festoons, wonderfully effective along the walls in conservatories and sun rooms; or when trained on compact wire trellis forms, in tubs or large crocks.

Ziehmanni. A decided improvement by sporting from **Glabra Sanderiana**; the perfect clusters slightly smaller but more numerous, the glossy foliage also smaller, but closer set along the vines. The color is distinct, with startling brilliancy; a beautiful translucent orchid purple. 2½-in. pots—35 cts.; \$3.50 per dozen. By express—4-in. pots, 75 cts. each; 5-in. pots, \$1.25.

Crimson Lake. This is one of the most notable vining plant introductions of years. Its numerous clustered, crinkly, paper-like bells in their emerald setting, are an incomparably brilliant crimson-lake color. 2½-inch pot plants—40 cts. each.

Glabra Sanderiana. Large bell-shaped flowers of lilac-rose borne profusely in terminal clusters all over the plant; blooms when quite small. 2½-inch pots—20 cts. each; \$2.00 per dozen. 4-inch pots, by express—60 cts. each; 5-inch pots, by express—\$1.00 each.

BUDDLEIA (Butterfly Bush)

Asiatica. A desirable winter-blooming greenhouse shrub which fills the air with fragrance and produces a vast amount of bloom during the season; white, in slender, compact racemes 3 to 6 inches long. 25 cts. each; 3 for 60 cts.

Farquhari. A hardy type of rather dwarf, compact growth; with numerous medium sized lilac-purple flower spikes. Strong 2-year—65 cts. each; \$5.50 per 10. 1-year, mail size—30 cts. each; \$2.50 per 10.

Magnifica. The hardest for all sections when used outdoors as a permanent shrub. Flower spikes 10 inches in length by 3 in diameter are not unusual. Color, deep violet-rose, with a pronounced orange center.

Strong 2-year—50 cts. each; \$4.00 per 10.

1-year, mail size—20 cts.; \$1.80 per 10.

CACTUS (*Epiphyllum*)

Grown to a single sturdy stem, the grafted tops spreading out horizontally with age, and with the drooping flowers making a brilliant canopy above the pot.

Truncatum. An early flowering crimson scarlet variety with long drooping flowers. The plants we offer are strong grafted plants with straight stem, 12 to 15 inches high, making fine drooping specimens.

2-year. Must be sent by express—\$1.50 each.

Makoyianum. (In bloom for Easter.) A beautiful variety of the Crab or Lobster Claw Cactus, with bright scarlet flowers of large size and unusually bright and showy. Must be sent by express; too large to mail. 2-year—\$1.50 each.

Rushi. An improved form; more branches with more upright tendency, and more blooms as well as increased petalage. The color is rosy red tinged salmon. 2-year. By express—\$2.00.

Bougainvillea "Crimson Lake"



VINES FOR GROWING INDOORS

Anthericum
Ipomea (Moon Flower)
English Ivy
Parlor Ivy
Madeira Vine
Manettia Vine

Vinca Major (variegated)
Pathos Aurea
Passiflora (Passion Flower)
Asparagus Sprengerii
Weeping Lantana

FANCY LEAVED CALADIUMS

A class of beautiful variegated foliage plants, excellent for window boxes, vases or single pot plants, succeeding equally well in a somewhat shady situation out of doors. Among all foliage plants they are undoubtedly the showiest, reveling in many soft colors and indescribable beauties of design. After becoming well established, they require liberal watering, coupled with adequate drainage. The bulbs should be started into growth about the first of April and dried off in October and kept in a warm and dry place until spring again.

25 cts. each; \$2.50 per dozen.

By express—\$20.00 per 100.



Fancy Leaved Caladiums

Try our famous "Old Glory" Gladiolus mixture—see page 71.

CALLAS

The White Calla is rarely used except for house bloom, but the hardier spotted-leaved variety, *Elliotiana*, is mainly used in the gardens for the beauty of its foliage as a border, and its delightful flowers for late summer cutting. The bulbs should be set out after danger of frost is past, and dug up again in the fall for drying off and winter storage.

Ethiopica. This is the well known and ever popular White Calla Lily whose chaste, waxen beauty is typical of purity and refinement. There is nothing to take its place in decorations for church functions, and its presence in the home is ever an inspiration. 35 cts. each; 3 for 90 cts.

Elliotiana. Leaves dark green with creamy white spots; flowers a richly lustrous golden yellow. 20 cts.; \$2.00 per dozen; \$15.00 per 100.

The Godfrey Everblooming Calla. (New.) Flowers as large as the largest and outbloom the others three to one; pure white. Plant dwarf and compact. 25 cts. each; \$2.50 per dozen.



CARNATIONS

Blooming plants valued for the inspiring spiciness of their perfume, the perfection of their flower form, fine cutting-lengths of stem, freedom, and long keeping.

Carnation plants should be re-potted whenever there is indication of their becoming pot-bound. Transplanted into the garden after all danger of frosts is over, and given at least 12 inches of space, with good soil and cultivation, these plants should furnish abundant bloom from July until late Fall or may be kept "pinched back" to retard bloom, potted up at approach of frost and brought inside for winter blooming.

Eldora. A handsome variegated sort; white irregularly streaked with red.

Edna. A bright red of perfect form, and good size. 25 cts. each; \$2.50 per dozen.

Enchantress Supreme. A light salmon-pink which does not bleach and is not liable to split.

Laddie. A new variety of extreme size, $3\frac{1}{2}$ to $4\frac{1}{2}$ inches in diameter; color a warm rosy salmon-pink. Very free flowering and satisfactory. 25 cts. each; \$2.50 per dozen.



Spotted Calla "Elliotiana"

Mrs. C. W. Ward. One of the very good deep pink sorts, of attractive size and form, very free blooming and strongly scented.

Red Matchless. As good in red as its parent plant Matchless is in white. 25 cts. each; \$2.50 per doz.

White Matchless. Large, pure white, long stemmed and free-blooming. The petals are attractively fringed and the perfume delightful.

White Wonder. Earliest white, and freest blooming. Unless noted, 20 cts.; \$2.00 per dozen. By express, \$12.50 per 100.

CYPERUS

Alternifolius. (Umbrella Plant.) A semi-aquatic plant in water or damp soil; throwing up stems 2 to 3 feet high, surmounted at the top with a whorl of slender drooping leaves. The flowers are small, cream-colored, in terminal clusters. 20 cts. each; \$2.00 per dozen.

DRACENA

Considered among the best of decorative foliage plants, and are largely used for conservatory and house adornment. They should be given a light fibrous soil with good drainage, liberal watering with frequent showers; and to insure the greatest development of color, let them have all the sunshine available.

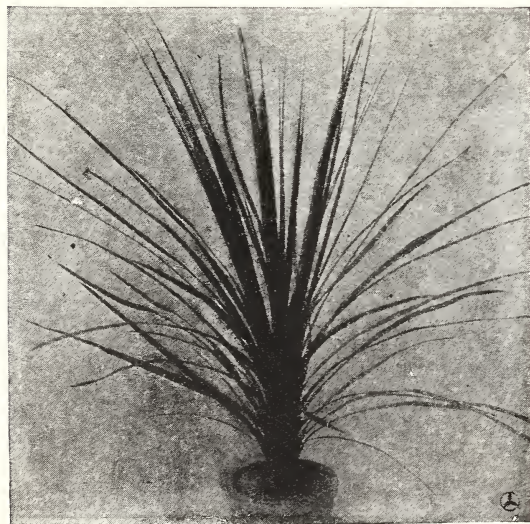
Fragrans. Plentiful, broad foliage of one color; lustrous, dark green. The plants are especially hardy and trustworthy for general house decoration. 4 inch pot plants, \$1.00 each; 6 inch pot plants, \$1.50 each.

Indivisa. Numerous slender, grass-like green leaves, the favorite center plant for box, vase and basket planting. $2\frac{1}{2}$ inch, 20 cts.; 3 inch, 30 cts.; 4 inch, 50 cts. By express, 5 inch, \$1.00.

Mrs. Ed. Andre. One of the best high colored sorts; its heavy foliage a dark bronze which develops by sections to an intensely brilliant rosy crimson. 4 inch pots \$1.00 each.

Massangeana. Broad green leaves, striped with varying shades of yellow. 4 inch pots, \$1.00 each.

Sanderiana. An upright, stocky variety with alternating lanceolate leaves of dark green, striped creamy white. 35 cts.



Dracena Indivisa

S & H Co. fruit trees are dependable.

DRACENA—Continued

Terminalis. Leaves rather long and pointed, deep bronze, coloring richly to crimson, marked with pink and green and occasionally streaked with white. Although like all self-coloring foliage, this variety has its dull aspects, sunshine, warmth and the evolutions of its normal seasons produce a wonderful brilliancy. 3-inch pots, 75 cts. each.

EUONYMUS

Not hardy enough for permanent out-door use, but valuable in pots for decoration.

Japonica Aurea. ("Golden Leaf"). Foliage round and large. In the leaves the dominant note of color is golden yellow, an unusual effect among hard foliage plants.

2½-inch pot plants, 25 cts. each.

3 -inch pot plants, 50 cts. each.

Beautiful FERNS

No foliage plant that grows presents so many varied charms, or is so practical for all general house, table, floral or window decorations as the Fern. Most varieties love the sun, and thrive to best advantage if located near the sunniest window, occasionally turned, and given a dutiful attention to watering.

NEPHROLEPIS

S. & H. SEMI-DWARF BOSTON (*Bostoniensis*).

A new improvement on the Boston Fern. It has the characteristics of that type of fern, but the fronds have more substance, their arrangement is more compact and their development less hurried with consequent greater stability. The heavy foliage is held gracefully upward instead of weakly drooping to the floor. Fully matured fronds attain a length of 3 to 4 feet. 2½-inch pots, 20 cts. By express: 5-inch pots, \$1.00 each; 6-inch pots, \$1.50 each; 8-inch pots, \$3.00 each.

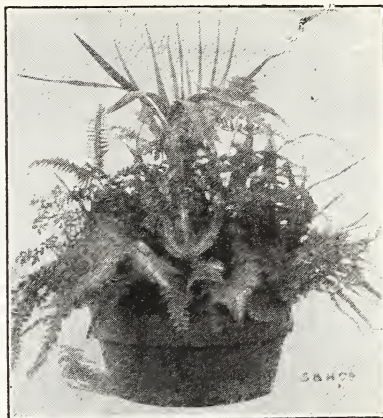
SCHOLZELI (The Plumed Scott Fern). A crinkly petaled type midway between Boston and the ostrich plume species. Short, bushy, compact growth, combined with a delicate fluffiness of foliage. Even very small plants are models of beauty for table decoration.

2½-inch pots, 25 cts. each; 4-inch pots, 75 cts.

By express: 4-in. pots, 60 cts.; 5-in. pots, \$1.00.



Semi-Dwarf Boston

**FERN DISH COLLECTION**

We will mail 6 plants of these charming little ferns, each distinct in color and form, our choice of varieties, for..... **85c**

Verona. A handsome new variety with fine "Ostrich Plume" foliage, but with a stiff mid rib, which makes the fronds stand up better than most varieties of the lace-ferns.

2½-inch pots, 25 cts.; 4-inch pots, 60 cts. each.

MISCELLANEOUS FERNS

Adiantum Cuneatum. The well-known Maiden Hair Fern, indispensable in the making up of floral pieces and winter bouquets; as showy and useful for pot specimens after attaining sufficient size, as the various varieties of *Nephrolepis*. 2½-inch pots, 25 cts.; 4-inch pots, 50 cts.

Selaginella Emiliana. (Moss Fern). A good associate with *Asparagus* or *Maiden Hair* for table and house decorating in larger sized pots. Very dwarf and compact, its dense, tiny leaves forming a moss-like carpet. 20 cts each; 3 for 50 cts.

Selaginella Denticulata. A low-growing, drooping variety, forming a ball of bright green. 20 cts. each; 3 for 50 cts.



Verona

We pay postage on plants unless exceptions are noted.

*Ficus Elastica*

FICUS (Rubber Plants)

Elastica. (India Rubber Tree.) This is the old reliable thick leaved, substantial house plant which has ever patiently served its purpose, under abuse and neglect; its dark green, shiny foliage always handsome. By express, 4-in. pots, 10 to 12 inches high, \$1.00 each. 5-in. pots, 20 inches high, \$1.25 each.

FITTONIA

Argyroneura. Trailing plant with variegated green and white foliage. Fine for winter window boxes and baskets. 2½-inch pots, 25 cts.

FUCHSIAS

Highly prized for winter blooming, also popular for summer beds in partially shaded situations and make excellent color-spots in porch boxes and baskets.

Avalanche. Golden green foliage and large double flowers with dark purple corolla.

Black Prince. Well expanded single flowers of carmine-lake; color of calyx and corolla nearly uniform.

Little Beauty Dwarf growing. A most free-blooming variety, seldom without flowers. Sepals carmine, corolla deep lilac. Single. 25 cts. each.

Mrs. E. G. Hill. Sepals bright crimson with large pure white corolla. Perfectly double and very free.

Speciosa. A thrifty grower with ornamental foliage; the green leaves showing red veins at the base. Flowers single with pale carmine sepals and deep scarlet corolla.

Unless noted, 20 cts. each; \$2.00 per dozen.

GENISTA RACEMOSA

Round, dense foliaged. Flowers are very small, pea shaped, borne in close racemes. When in full bloom the entire plant is a solid ball of the brightest yellow, emitting a delicious lemon fragrance. Very popular for Easter decorations and will continue in bloom about 4 weeks. 2½ inch pot plants, 20 cts. each. By express, 5-in. pot plants, 75 cts. each.

GERANIUMS

Geraniums are being crowded out of their erstwhile prominence as main beds for the lawn, but can never be supplanted in box or basket, cemetery or public grounds.

Double flowered unless noted. From 2½ inch pots.

Alphonse Ricard. Bright orange red.

Beauty Poitevine. (Single.) Rosy salmon, nicely shaded and tinted from deep orange to pure salmon.

Jean Viaud. Immense trusses; beautiful clear, rosy pink with distinct white blotch at center.

La Favorite. Very large trusses; snow-white.

Mme. Barney. A splendid bedding variety; extremely large, double flowers of brilliant rose.

Mrs. Lawrence. A dwarf, compact grower equally valuable as a bedder or for winter pot-blooming; bright salmon-pink, slightly tinged white.

Red Mme. Barney. Of all red Geraniums old or new, this new variety stands out in bold relief. It has the broad, velvety, distinct foliage and vigorous habit of Mme. Barney; likewise its full, round truss and double petalage. A clearer and more brilliant red than the crimson depths of S. A. Nutt; with more fire than the familiar scarlets of the past. An incessant, extravagant bloomer, sun-resisting and long keeping, on long stems. 20 cts.; \$2.00 dozen.

S. A. Nutt. Always dependable for a constant blaze of crimson from May until snowfall.

Unless noted, 15 cts. each; \$1.50 per dozen.

From 4 inch pots separate colors—red, pink and salmon. 30 cts. each; \$3.00 per dozen.

FANCY LEAVED GERANIUMS

Mme. Salleroi. A very compact variety, fine for bordering. A thrifty healthy grower, rarely reaching a height of more than 6 inches; leaves very small, a peculiar clear green, edged with pure white.

20 cts. each; \$2.00 per dozen.

*Red Barney*

Geraniums are as valuable today as in 1854.

HYDRANGEAS—Decorative and Colorful

HYDRANGEA HORTENSIS

Not hardy in the Northern states, and should be brought into the house before freezing fall weather. A cool, light cellar location is preferable with occasional watering, but keep them dormant even if a cooler temperature is found necessary. Early in spring bring up and apply water liberally. When in full bloom, keep slightly shaded to lengthen the blooming period. A soil composition of turfy loam and one-third rotted cow manure is best for potting.

Otaska. The old favorite used in pots as Easter time, and for lawn decoration in summer. 20 cts. 4 inch pot plants, 50 cts. each; 5 inch pot plants, 75 cts. each.

NEW GERMAN HYDRANGEAS

We must thank the German producers for a number of fine new varieties in the large panicked exhibition hydrangeas, which not only preserve and improve all the good features of the French section, but add greatly to the scope of that list by development of distinct red shades heretofore ineffectual. The six new sorts following are a selection from their latest novelties.

ELMAR. Crimson rose.

GUDRON. Brilliant, clear rose.

HELGE. Bright red.

LANZELOT. Dark carmine red.

LORELY. Reddish carmine.

PARCIVAL. Blood-red.

2½ inch pot plants, 40 cts. each; \$4.00 per dozen.



FRENCH HYDRANGEAS

These plants will be practically dormant when shipped, but as soon as the new leaves begin to break, they will require as much sunlight as possible, plenty of water, and must not be allowed to dry out. They will bloom luxuriantly for about 6 weeks in early spring.

Baby Bimbenet. Very dwarf, early and free; distinct from others in that each and every shoot produces flowers. Large, compact trusses of silvery rose.

Lieut. Chauré. Good sized light pink. Is proving very successful as a practical forcing variety. 25 cts. each; \$2.50 per dozen.

Lilie Mouillere. Beautiful carmine rose. 25 cts. each.

Mlle. Renee Gaillard. Beautifully fringed petals in full panicles of milk white enriched by occasional tints of cream.

Souv. de Mme. Chautard. Shapely plants of robust habit, bearing medium size, but extremely pretty flowers of bright rose, with a decided tendency to blue with age. 25 cts. each.

Trophee. Vigorous growth, great freedom of bloom. This is the darkest carmine red of any variety in use before introduction of our new German line. 25 cts. each.

ALL ABOVE, UNLESS NOTED,

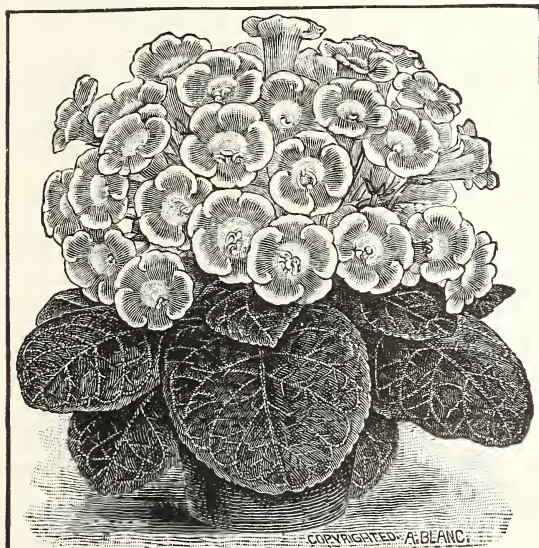
2½ inch pot plants, by mail, 20 cts. each.

5 inch pot plants, by express, in good assortment, \$1.00 each.

IPOMEA GRANDIFLORA

Moon Flower

A popular rapid climber. Satiny white flowers, 5 to 6 inches in diameter, borne abundantly throughout a long season, opening at sundown, emitting a rich Jessamine odor at night, and closing about noon next day. 20 cts. each; \$2.00 per dozen.

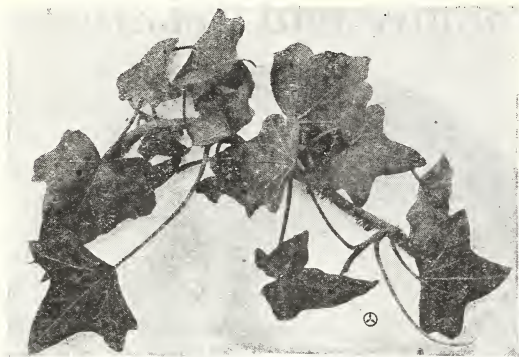


GLOXINIAS

The Gloxinia has handsome large, round, hairy leaves and quantities of big flowers. Give rich, light soil and partial shade, until well started into growth; in watering, do not wet the leaves. When through blooming, store in any dry, warm place for re-potting next season. **Scarlet, Scarlet Bordered, Purple and Purple Bordered**—35 cts. each; \$3.50 per dozen.

See Page 85 for reference list of Tender Vines.

Tender Hydrangeas are becoming more and more popular.



English Ivy

IVY (English Ivy)

Hedera Helix. Foliage is rich waxy green with prominent lighter veins and is very attractive. If planted outdoors, the vines must be taken down and carefully covered for winter, in this northern latitude. Mixed with Asparagus and Vinca Major for the trailing effects in our summer porch boxes and urns, and at base of cemetery monuments, where care is assured. 2½ inch pots, 20 cts.; \$1.85 per dozen. 4 inch pots, tops 2 feet long, 35 cts.; by express, \$3.50 per dozen.

MADEIRA VINE

A beautiful rapid growing vine with dense foliage, fleshy, heart-shaped, light green. Numerous Mignonette-like feathery racemes of white flowers, which are pleasantly fragrant. Ordinarily hardy North if well protected by litter during the winter. Strong tubers. 15 cts. each; \$1.50 dozen.

MANETTIA VINE

Completely filled at all times with small tubular flowers of brilliant scarlet, with yellow tips. Especially desirable for baskets, vases or small trellises, and much in use simply as pot plants on account of their fiery bloom. 20 cts. each; \$2.00 per dozen.

MARANTA MASANGEANA



An old foliage plant coming back into popularity. Dwarf growing; with light green foliage, distinctly mottled with heavy maroon spots. Used extensively in filling large fern dishes; foliage always bright and attractive. Makes a very pretty effect when used with other plainer-leaved plants in plant decoration groups. 20 cts. each; \$2.00 per dozen.

PLANTS FOR WINDOW BOXES

See page 82 for reference list of Plants for Window Boxes and Vases.

Kentia
Balmoreana

PALMS

Water the soil not oftener than three times, nor less than once a week. These varieties offered can best stand the hard usage to which house plants are normally subjected. Height given means from top of pot.

Kentia Balmoreana. Gracefully arching stems of steely strength despite their slenderness, each crowned with a fan-like canopy of richest green. 2½ inch pot plants 25 cts.; 3 inch pot plants, 10 inches high, 50 cts.

By Express: 4 inch pots, 12 to 15 inches high, \$1.00; 5 inch pots, 15 to 20 inches high, \$2.50.

Kentia Forsteriana. Of the same type and qualities as Balmoreana, equally desirable; the main difference being this variety grows taller, and has somewhat broader, heavier leaves. 2½ inch pots, 25 cts.; 3 inch pots, 10 inches high, 50 cts.

By Express: 4 inch pots, 15 to 18 inches high, \$1.00. 5 inch pots, 18 to 24 inches high, \$2.50.

Special Sizes: Made-up, bushy plants. Each
7 inch Tubs—30 to 32 inches high.....\$ 7.00
8 inch Tubs—38 to 42 inches high..... 12.00
10 inch Tubs—50 to 54 inches high..... 20.00

Latania Borbonica. (Fan Palm.) A beautiful Palm, with massive deeply divided, fan-shaped leaves. In the larger sizes, where the broad leaflets are united to make an almost solid base, this type is even more picturesque and tropical in expression than the narrower leaved Kentias. 3 inch pot plants, 50 cts.; 4 inch pot plants, \$1.00 each.

PANDANUS VEITCHI

Graceful curved foliage, light green striped with broad bands of pure white. An attractive decorative plant that stands ordinary house culture well and is always fresh and bright. Large plants by express: 4 inch pots, \$1.00; 5 inch pots, \$1.50.

We guarantee safe arrival of plants from our Greenhouse section.

PASSIFLORA

PFORDTI (Passion Flower). Light blue flowers suffused with rose. The finest variety for planting outdoors in summer. 2½ inch pots, 25 cts.

PARLOR IVY

Senecio Mikanioides. Used with striking effect to decorate interior walls, hanging baskets and urns. The foliage is a pretty, light bronze green with five to seven points; occasional yellow flowers in terminal clusters. 15 cts.; \$1.50 per dozen.

PATHOS

Aurea. Large heart-shaped leaf with golden blotch. A fine climbing house plant. 2½ inch pots, 25 cts.; 4 inch pots, 50 cts.

PLUMBAGO

Shrubby plants which make good house specimens in pots or tubs, usually put out in the garden for summer rejuvenation and bloom. Being tough and thrifty, with care they may last several years and become bushy specimens of considerable size.

Capensis. Free blooming in loose umbels, florets phlox-like with long slender tubes; sky blue. 20 cts. each; \$2.00 per dozen.
Heavy specimens; 6 inch pots, \$1.50. By express.

SANSEVIERIA

Zeylanica. An ideal decorative plant; will stand more hardship and more abuse than any other house plant of which we know. Leaves thick and of leathery texture, not affected by gas, dust or heat. Grows to a length of 3 to 4 feet, and is beautifully striped cross-wise of leaves with broad white variegations on a dark green ground. 25 cts. \$2.50 per dozen.

Laurenti. In addition to the usual variegation, the leaves have a band of creamy yellow on each side, thus making them unusually decorative. 4-inch pots, \$1.50.



Sansevieria Zeylanica

STROBILANTHUS DYERIANUS

An excellent bedding plant as well as a beautiful foliage plant for pot culture. It forms a compact bush 18 inches high, with leaves 6 to 9 inches long; of a beautiful metallic purple, shading into light rose, with a light green margin, a combination unapproached by any other plant. The flowers are violet blue, borne in immense racemes. 25 cts.; \$2.50 per dozen.

THYRSACANTHUS RUTILANS

(Fountain Plant)

A greenhouse plant of easy growth, and when in bloom a graceful shaped and vivid colored specimen for table decoration. Its short, tubular shaped flowers are a brilliant coppery carmine, borne profusely in pendent, close-set braids, 12 to 16 inches in length. This plant still enjoys an unabated popularity. 25 cts. each; 3 for 60c.

TRADESCANTIA (Wandering Jew)

Beautiful trailing vines with thick, waxy, lance-shaped, brilliantly striped foliage; very useful in baskets and porch boxes. 15 cts. each; \$1.25 per dozen.

VINCA

Major Variegata. More of this used for baskets and vases than there is of any other two basket plants. Beautiful variegated green and white foliage; strong trailing habit of growth; the bright blue Myrtle flowers contrasting prettily against the creamy white pattern in the leaves. 15 cts.; \$1.25 per dozen.



Strobilanthus

This catalog is the only agent we employ.

SEED DEPARTMENT

S. & H. Co. Superior Flower Seed



FLOWERS are enjoyed by everyone and are so easily raised from seeds that any home can have an abundance of blossoms during the entire year. Those we offer in the following pages are the products of the best American and English growers. No better strains are to be obtained at any price. Clear and complete directions for sowing are printed on each packet. Flowers are usually known as **Annuals**, **Biennials** and **Perennials**.

Annuals bloom and ripen seed the first year and then perish.

Biennials do not generally bloom the first year and are in perfection the second year only.

Perennials flower several years in succession, many blooming the first year from seed sown early, and are used for permanent plantings.

Hardy Perennials and **Biennials** may be sown either in early Fall or Spring and require no protection through the Winter. **Hardy Annuals** may be sown either in late Fall or Spring.

Half Hardy Annuals, **Biennials** and **Perennials** cannot be sown in open ground until warm weather: they may, if desired, be started early inside and transplanted afterwards. The latter two need protection in Winter or may be carried through in cold frames or greenhouses.

We are often asked to name the various Flowers for cutting and to answer this query we have designated all such sorts with this character.⊙

Prices: Seeds ordered in packets are delivered by mail, post-paid, at prices named.

AGERATUM

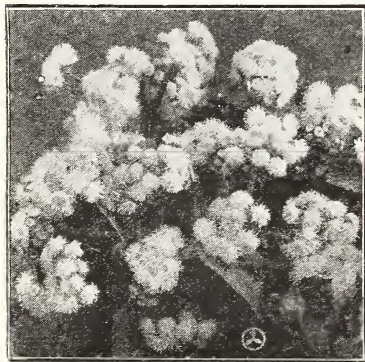
Little fluffy, bristly balls of color in sizeable clusters, liberally supplied from early summer until autumn. Being low and compact, they are mainly utilized for edgings or narrow borders. Half hardy annual.

Blue Perfection. Deep amethyst-blue flowers in large clusters. Very even in growth, about 12 inches high. Pkt. 10 cts.

Tom Thumb. 6-inch. Bright blue. Pkt. 10 cts.

ALYSSUM

Hardy annual. White, sweet scented edging and basket plants. For borders, sow thickly; for winter bloom sow in August and transplant to pots.



Ageratum Tom Thumb



Sweet Alyssum



Little Gem. Makes a perfect "carpet of snow" not over 4 inches in height, commencing to bloom in spring when very small, and continuing without interruption until late fall. Pkt. 10 cts., ¼ oz. 25 cts.

Sweet Alyssum. Not over 6 inches high on account of its trailing habit; very sweetly fragrant. Pkt. 5 cts., ¼ oz. 10 cts., oz. 30 cts.

AMARANTHUS

Tricolor. (Joseph's Coat.) Beautiful foliage plant, growing 3 to 5 feet high, with ornamental leaves variegated in red, yellow and green. They should be grown in warm sunny situations and given plenty of room to develop. Pkt. 10 cts.

ANCHUSA DROPMORE

Grows bushily to 4 or 5 feet with broad, rough foliage. Breaks out all over with showy clusters of deep gentian blue, in spring an almost solid mass of color, with intermittent flashes throughout the summer. Pkt. 10 cts.

ANEMONE CORONARIA ⊙

A delightful poppy-like type belonging to the early and late fall. Its bloom is solitary, but numerous, large, on slender stems, ideal for vase bouquets. Perennial, blooming the first year if sown early and shaded until plants appear. Mixed colors. Pkt. 10 cts.

ARCTOTIS ⊙ (African Daisy)

Grandis. 2 to 3 feet high. A useful and charming cut flower from June till after hard frosts; lasting a week or two in water, undeveloped buds opening up perfectly if kept in the sun. The daisy flowers are glistening white on the uptilting face, variegated by the partially visible under surface of pale lilac-blue. Pkt. 10 cts.

You can make a beautiful garden of annuals for 50c. See "C", next page.

ANTIRRHINUM © (Snapdragon)

Snapdragons are among the most popular bedding plants; the richness and diversity of their colors, their great freedom and protracted blooming season giving them great value for garden color masses, as well as for cutting. They have dark glossy leaves; and pea-shaped flowers with uniquely marked throats, set densely in long, upright racemes. They bloom in July from seed sown outdoors in early May; but for earlier bloom, seed should be started indoors during March. Succeed best in dry loamy soil.

TALL SNAPDRAGONS

(*Majus Grandiflorum*) About 2 feet.

Delicata. Dainty rose with white throat. Pkt. 10 cts.
Fire King. Orange scarlet, with white tube. Pkt. 10 cts.

Garnet. Deepest of the red shades. Pkt. 10 cts.
Golden King. Lustrous golden yellow. Pkt. 10 cts.
Harmony. Rosy orange-terra cotta. Pkt. 10 cts.
Queen Victoria. Pure white; very firm. Pkt. 10 cts.
Rose. A pretty rose pink shade. Pkt. 10 cts.
Rose Carmine. Very bright and showy. Pkt. 10 cts.
Scarlet. Brilliant solid red. Pkt. 10 cts.
Majus Grandiflorum Mixed. Pkt. 10 cts.; $\frac{1}{8}$ oz. 25 cts.

HALF-DWARF SNAPDRAGONS

Nanum Medium Mixed. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

Giant
Snapdragon



S. & H. Co. FLOWER SEED COLLECTIONS



Collection "C"

FREE BLOOMERS, PROVEN KINDS

Asters, Choice Mixed.
 Alyssum, Sweet.
 Bachelors Button, Mixed.
 Cosmos, Mixed.
 Larkspur, Mixed.
 Marigold, Mixed.
 Mignonette, Large Flowered.
 Nasturtium, Tall, Finest Mixed.
 Nasturtium, Dwarf.
 Finest Mixed.
 Pansies, Mixed.
 Poppy, Annuals, Mixed.
 Double.
 Petunia, Finest Striped
 and Blotched.
 Phlox, Grandiflora, Fine Mixed.
 Sweet Peas, Mixed.
 Zinnia, Fine Mixed.

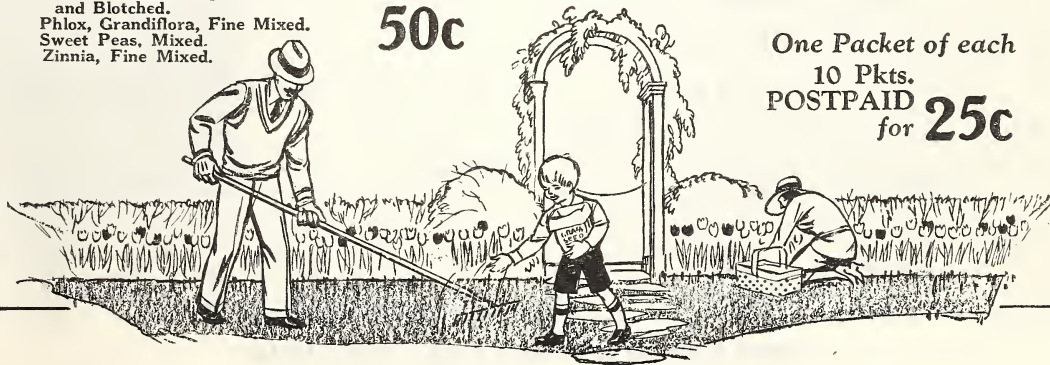
One Packet
of each
15 Pkts.
POSTPAID
for
50c

"Little Folks" Collection OF FLOWER SEEDS

All children love flowers and take great pleasure in having their own plot of ground to work. We have selected this collection of easily grown annuals especially for the children. Each packet is full sized and contains a generous amount of seed.

Asters, Choice Mixed.
 Bachelors Button, Mixed.
 Candytuft, Mixed.
 Phlox, Mixed.
 Sweet Peas, Mammoth, Mixed.
 Dwarf Nasturtium, Choice Mixed.
 Marigold, Mixed.
 Mignonette, Large Flowered.
 Poppy Double, Mixed Peony Flowered.
 Petunia, Fine Mixed.

One Packet of each
10 Pkts.
POSTPAID
for **25c**



ASTERS

Asters are among the most popular and easily grown of all our annuals. By making a sowing of each of the various sorts, a continuance of flowers may be had from early Summer until frost. For early flowers, sow the seed in house or greenhouse during March or April and transplant to the open ground in May. For later flowers which are the finest, sow thinly in the open ground early in May, transplanting as soon as plants are large enough. Half hardy annuals.

Early. First bloom in July.

Queen of the Market.

Earliest of all the Asters, flowers characteristically perfect in form. Grow about 12 inches high and very branching; the flowers on long stems valuable for cutting. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

"Lady Roosevelt."

One of the finest of recent introduction: perfect in shape and Comet type; color a magnificent rose-pink; long strong stems and for cutting has no superior. Our seed comes from selected stock and is of first quality. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts.

Extra Early Express (Comet).

These extra early Asters, of the well known Comet type, are the largest early Asters grown. Well developed flowers range from $3\frac{1}{2}$ to 4 inches across, very



Extra Early Express Asters

free of yellow centers and borne upon stems of good length. Plants reach a height of about 18 inches. **Mixed.** Pkt. 10 cts.; $\frac{1}{8}$ oz. 25 cts.

"Lavender Gem."

A true lavender, borne on long stems, very early, and an ideal cutting variety. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

Mid-season Asters. Commencing to bloom in August.

Giant Comet.

A type well known and appreciated for its striking resemblance to the Japanese Chrysanthemums; flowers large, twisted, curled and crested. $1\frac{1}{2}$ feet.

Giant Comet Mixed. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

California Giants.

A new derived type with giant 5 to 6 inch flowers expressing the popular Crego or Ostrich Feather style, coupled with the more robust habit and greater length of stem characterizing the Beauty class. This welding of types benefits its value for cutting, enabling their extreme size and perfection to be used in vase and floral work where the ordinary stems would not give sufficient support. Separate colors: **Light Blue, Deep Rose, Light Purple, Dark Purple, Peachblossom and White.** Each: Pkt. 15 cts. **Mixed,** Pkt. 15 cts., $\frac{1}{8}$ oz. 50 cts.

Mikado.

This shaggy group is derived from the Comet type with distinct arrangement of narrow petals which are very long and gracefully reflexed, outer ones showing to full extent; while those in center bend and curl across each other so as to give the entire flower a fluffy appearance. Of gigantic size, often spreading to 6 inches. **Mikado Mixed.** Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.



WONDER ASTER Collection

All for.....35c

One Packet each of the following varieties.

QUEEN OF THE MARKET MIXED

Earliest of all the Asters, flowers characteristically perfect in form. Grow about 12 inches high and very branching; the flowers on long stems valuable for cutting. 1 pkt., 10 cts.

EXTRA EARLY EXPRESS MIXED

These extra early Asters, of the well known Comet type, are the largest early Asters grown. Well developed flowers range from $3\frac{1}{2}$ to 4 inches across, very free of yellow centers and borne upon stems of good length. Plants reach a height of about 18 inches. 1 pkt., 10 cts.

THE ROYAL MIXED

A new class of American Aster. Its habit of growth is entirely distinct, the stems growing directly from the ground and not on side-shoots from the main stem like other varieties. Medium early bloomer. 1 pkt., 10 cts.

GIANT OSTRICH FEATHER MIXED

The finest type of the Giant Comet, or Ostrich Feather type of Aster. Much larger than the Giant Comet, the petals longer, more twisted, and produced in greater abundance. Borne on long stems, they make cut-flowers par excellence. 1 pkt., 10 cts.

CHINESE SINGLE ASTERS MIXED

These large, brilliant Daisy-like flowers with yellow centers are exceedingly showy for vase decorations. Very free flowering. 2 ft. 1 pkt., 10 cts.

1 Pkt. each
Postpaid for **35c**

Asters help make the fall of the year colorful.

MID-SEASON ASTERS—Concluded**King Type.**

This type is quite distinct owing to the very double petalage, which is characteristically quilled, at times almost needle-like. They are strong and sturdy, averaging 18 inches in height; with an abundance of large, perfect flowers for three months.

Finest Mixed Kings. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts.

"Sensation."

This is a new variety, genuinely red. In shadow, its color tone is deep garnet, or ox-blood red; but sunshine brings out the life and brilliancy of fire. Its flowers average about $3\frac{1}{2}$ inches across, borne very freely throughout August and September on 12 inch stems. The plants are quite branchy, about 18 inches high. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts.

Crego.

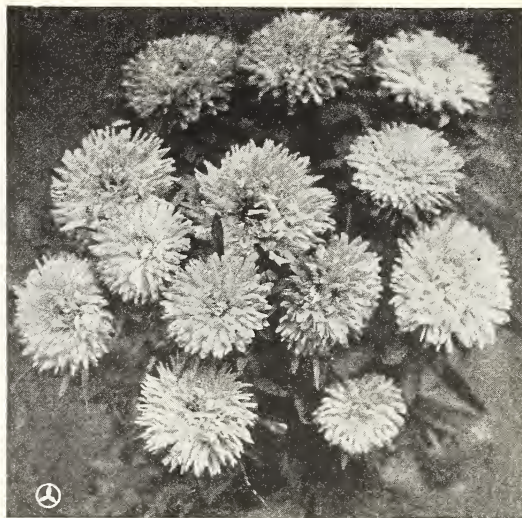
This section produces the largest flowers of the Comet type; very full and fluffy, around 5 inches in diameter. When cut, this group outlasts all others of the type. **Crego Crimson.** **Crego White.** **Crego Shell Pink.** **Crego Lavender.** **Crego Purple.** Each, Pkt. 10 cts., any 3 pkts. for 25 cts.

Crego Mixed. (All colors) Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

Late Asters. In prime from September on.

"Crimson Giant."

This new late variety is very brilliant in beds or borders, revealing all the good qualities of the



Late Branching Asters

Branching type, although itself of upright growth 15 to 18 inches high. Its flowers are densely double, very large (seldom under 5 inches), aglow with the richness and brightness, of blood-crimson. Pkt. 10 cts., 3 pkts. for 25 cts.

"Heart of France."

This new late Aster opens red as the purest ruby, deepens with age and retains its remarkable beauty to the very end. The flowers are large and full, with never a trace of hollow center, larger than any other dark sort. The plants are of branching type and very robust habit, 24 inches high. The stems are long and strong and have very few laterals. The plants begin to bloom quite early, open fully with the mid-season varieties, but reach their supreme glory in September. Pkt. 10 cts., 3 pkts. for 25 cts.

Late Branching.

A useful class for bedding, the strong, branching plants 2 to $2\frac{1}{2}$ feet high. The flowers are very large and double (5 inches wide), with long, strong stems, making splendid cut-flowers.

Branching Light Pink. **Branching Lavender.**

Branching Dark Red. **Branching Purple.**

Branching Scarlet. **Branching White.**

Each—Pkt. 10 cts., 3 pkts. for 25 cts., $\frac{1}{8}$ oz. 30 cts.

Late Branching Mixed. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

Ostrich Feather Mixed.

Immense flowers of loose petals, blooming in August. Very attractive. When used for cutting, allow flowers to develop in water after picking when half expanded. Pkt. 10 cts., $\frac{1}{8}$ oz., 25 cts.

Royal Mixed.

An early flowering form of the late Branching. A superb Aster blooming in late July or early August. Very desirable for beds or borders, and their long stems make them good for cutting also. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

Late Beauty Mixed.

Plants about 2 to 3 feet high of branching habit. Starts blooming in September and lasts until Frost. Flowers large, borne on long and stout stems from 18 to 24 inches long. Pkt. 10 cts., $\frac{1}{8}$ oz. 35 cts.

**"CREGO" WHITE**

A TESTIMONIAL
from Girard, Pa.

"These were the most beautiful Asters I ever saw; my neighbors greatly admired them; and people came from miles around to see them. You may depend on me buying all my seed from your Company hereafter."

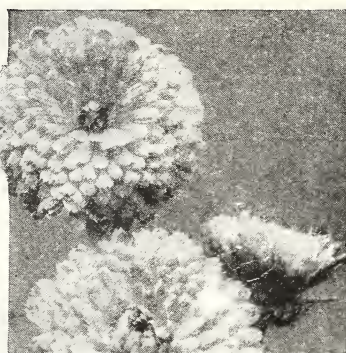
FOR HANGING BASKETS AND WINDOW BOXES

Sweet Alyssum, Lobelia,
Nasturtiums and Petunias.

We are 74 years old and still growing.



Columbine



Calendula Ball's Orange



Calliopsis Golden Wave

AQUILEGIA[®]

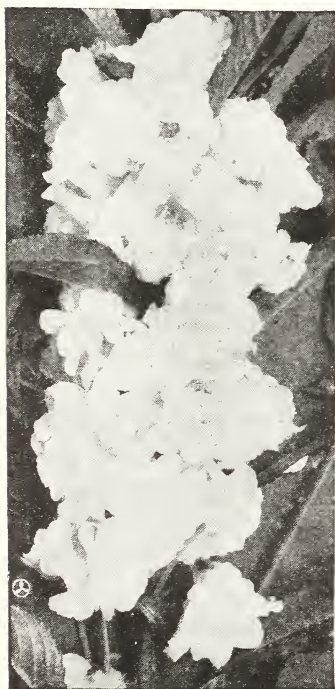
The general appearance of "Columbines" with their deep cut, round-lobed foliage and nodding flower stems, expressing so many lovely shades of color, is graceful, airy and distinctive, typical of spring time. They are used liberally in low borders to offset any appearance of formality; and provide an unfailing succession of cut flowers, well into summer. Hardy perennial.

Chrysantha. Heavily spurred yellow flowers ranging from clear canary to deep yellow. Pkt. 10 cts.

Cerulea. Sepals blue, petals white, a dainty effect. Pkt. 10 cts.

Long Spurred Hybrids. A choice mixture of long spurred varieties in various colors, shades of blue are predominant. Pkt. 15 cts.

Mixed Double. Bulky double flowers; best colors. Pkt. 10 cts.



Balsam

BACHELORS BUTTON[®]

Pretty 2 foot border plants, and reliable cut-flowers. Hardy annual.

Single Mixed. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts.

Double Blue. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts.

Double Rose. Pkt. 10 cts.

Double Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

BALLOON VINE ("Love-in-a-Puff")

A rapid growing annual climber; bears small white flowers, followed by inflated seed-pods resembling balloons. Pkt. 10 cts.

BALSAM (Giant Double Camellia Flowered)

Tender annuals, thriving in hot weather, if planted in good soil and well watered. Should be set about 18 inches apart. If wanted early, sow indoors and transplant. This has a tendency to dwarf the plants, making them more satisfactory.

The large, double, gaudily colored flowers are set like Hollyhocks along the 2-foot stems, with slender leaves protruding. Colors, pink, white and scarlet. **Mixed.** Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

CALENDULA[®]

Hardy annuals; 1 foot. A wonderful profusion of flowers, ranging from ivory to orange. Valuable for bed and borders. Bloom until late fall.

Ball's Florists' Strain. A new but well proven strain specially adapted to forcing; the flowers unusually large and double, of uniformly rich, dark orange color; with extra long, firm cutting stems. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

Orange King. Bright orange red, with dark eye. Very double, often 3 inches across. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.

Choicest Mixed. All colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.

CALLIOPSIS or COREOPSIS[®]

Sow where they are to remain, and thin to 1 foot apart.

Golden Wave. Bright golden flowers, 2 inches across, each distinctly marked with dark brown center. Hardy annual. Pkt. 5 cts.

Finest Mixed. (Red, orange, etc.) Hardy annual. Pkt. 5 cts.

Lanceolata Grandiflora. Beautiful hardy perennial; 15 to 18 inches; producing its golden yellow flowers in great profusion. Pkt. 10 cts.



Bachelors Button

We pay parcel post on all seeds, except where otherwise noted.

CAMPANULA © (Bell Flower)

Well known perennials with bell-shaped flowers of varying size and type, which add wonderfully to the charm of summer gardens. Seed sown in the open in early April will develop sturdy little plants prepared to bloom in great profusion throughout the summer of next year. Transplant permanently in October and give winter protection.

Carpatica. (Carpathian Harebell.) Fine for edging; 6 inches high. Thimble size bells borne very freely and continuously. Mixed blue and white. Pkt. 10 cts.

Medium. (Canterbury Bells.) Long stemmed and large flowered, of deep pitcher shape. Colors range from blue and rose to white, in mixture.

—**Single Medium Mixed.** Pkt. 10 cts.

—**Double Medium Mixed.** Pkt. 10 cts.

Calycanthema. (Cup and Saucer.) Practically the same as the type, except this form is provided with an extra large calyx which gives a distinct impression of a cup and saucer.

—**Cup and Saucer Blue.** Deep, solid shade.

—**Cup and Saucer Rose.** Bright.

—**Cup and Saucer White.** Waxy white.

—**Cup and Saucer Mixed.** All shades.

Each above, Pkt. 10 cts.

CANARY BIRD FLOWER

A rapid growing summer climber, with finely cut foliage and yellow flowers. Tender annual. Pkt. 10 cts.

CANDYTUFT © (Iberis)

Wonderfully effective for white massing, but long a favorite cut flower as well. Most blooms are sweetly fragrant. Hardy annual, about one foot.

Giant Hyacinth Flowered. The results of persistent painstaking selection from Empress; unquestionably the largest and best formed of the white varieties. Pkt. 10 cts. ¼ oz. 25 cts.

Empress or Snow Queen. A complete mass of large snow white flowers. Pkt. 10 cts., oz. 30 cts.

Crimson. A fine large flower. Pkt. 10 cts.

Lavender. True lavender, very fine. Pkt. 10 cts.

Fine Mixed. Pkt. 5 cts., oz. 25 cts.

Perennial. (Iberis Sempervirens.) Hardy evergreen; pure white. Comes into bloom early in the Spring and is a favorite rock plant. Pkt. 15 cts.



"Cup and Saucer" Canterbury Bells

CARNATION ©

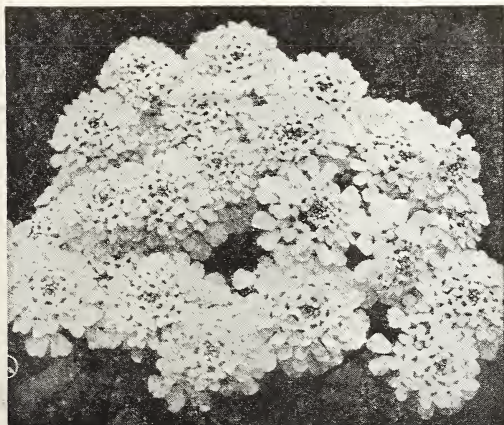
Carnations have ever been highly regarded for their spicy scent, bright colors and generally charming appearance. Useful in summer garden and winter greenhouse as well.

Start seed under glass and transplant when sufficiently large. Half-hardy perennial. 1½ feet.

Extra Choice Double Mixed. A large portion of this seed will produce double flowers. Pkt. 25 cts.

Double Mixed. All shades and colors. Pkt. 15 cts.

Marguerite. With ordinary care this double, fluted, highly scented type will be in full bloom in 4 months after sowing the seed, flowering in profusion until checked by frost. Protection ordinarily insures their permanency, and early spring bloom. The colors range through many shades. **Mixed.** Pkt. 10 cts., ½ oz. 25 cts.



Candytuft

10 HINTS for SUCCESS with ANNUALS

1. Buy S & H good seed.
2. Try some new sorts.
3. Sow a generous space.
4. Prepare the soil thoroughly.
5. Sow the seed thinly.
6. Do not sow deeply.
7. Thin out or transplant.
8. Cultivate.
9. Remove the fading flowers.
10. Water thoroughly or not at all.

OUR GUARANTEE OF GENUINENESS

We exercise great diligence and care to have all of our seeds true to name, and hold ourselves in readiness, on proper proof, to replace free of charge all seed that may prove untrue to name, or refund the amount paid. It is, however, mutually understood and agreed to between the purchaser and ourselves, that our guarantee of genuineness shall in no case make us liable for any sum greater than that originally received for the seeds that proved untrue. (Signed) The Storrs & Harrison Co.



Chinese Wool Flower

CELOSIA (Cockscomb)

Free and continuous blooming annuals of great value for injecting brilliancy of color into beds or borders. Content with light soil not too rich. Cut blooms may be dried for winter decoration. Conservatory pot plants. If started inside, transplant them in May, or sow in the open at that time.

CRISTATA NANA (Dwarf Cockscomb)

Glasgow Prize. Immense, compact combs of richest crimson often a foot in extent, crowning plants 8 to 10 inches high. Pkt. 10 cts.

Dwarf Cockscomb Mixed. Various shades. Pkt. 10 cts.

PLUMOSA (Feathered Cockscomb)

This "Ostrich Feather" type grows from 2 to 5 feet high, very showy with their large, dense, and continuing upright plumes. Very effective in garden sections; as fresh cut flowers, and dried, or potted.

Ostrich Feather Tall Mixed. Pkt. 10 cts.

Castle Gould. A distinct type, particularly well adapted to use as pot plants, being literally clothed from base to summit with immense feathery heads of bloom. 2 to 3 feet high. The colors embrace

blood red, carmine yellow, golden orange, scarlet, wine red. **Mixed.** Pkt. 10 cts.

Chinese Wool Flower.

This recent novelty is the most curious of all Celosias. Globular flowers, like balls of bright red wool, bloom in July and continue until cut down by frost; do not fade, but increase in size and brilliancy. Height 2 to 3 feet. Pkt. 10 cts.

CENTAUREA

Gymnocarpa. A useful foliage plant known as "Dusty Miller." Grows to 1½ feet; deeply indented fernlike foliage so dusted with silver as to be almost white. Half-hardy perennial. Pkt. 10 cts. 500 seeds, 25 cts.

Imperialis. (Giant Sweet Sultan.) Bushes are covered with large, fluffily ball-shaped, sweet-scented flowers. Will keep a week or over in water, if cut when just about to open. Hardy annual, 2 feet.

All Colors Mixed. Pkt. 10 cts.

CHRYSANTHEMUM

Annual Double and Single Mixed. Beautiful double and single types together in a wide range of colors, blooming gorgeously all summer. The single kinds are prettily called "painted daisies." Pkt. 10 cts.

CINERARIA

Hybrida Grandiflora. (Large flowered.) Choice house or conservatory plants for early spring decoration. Grow from 12 to 18 inches high, are completely covered with flowers, 2 and 3 inches across, of white, blue, violet, and crimson shades. Seed may be sown from May to September for succession. Greenhouse perennial. **Mixed.** Pkt. 25 cts.

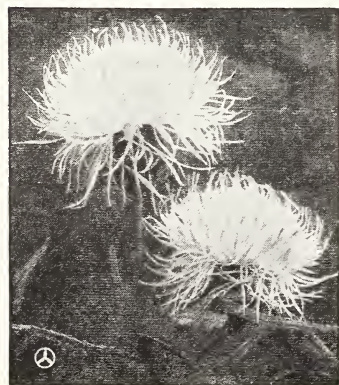
Maritima. (This is the edging about the Kochia illustrated on page 102.) Another "Dusty Miller," denser than the Centaurea type; one of the showiest silver or white-leaved foliage plants for bedding, ribbon beds and margins. In rich soil they will reach 2 feet in height. Pkt. 10 cts., ¼ oz. 25 cts.

CLARKIA ELEGANS

This pretty, easily grown annual is a popular garden and cut-flower plant, showy in borders, hanging baskets or vases; not particular as to location, 2 to 2½ feet.

The bloom is double, abundant, in small leafy racemes, and opens well in water when cut.

Double Mixed. Pkt. 10 cts.



"Sweet Sultan" (Centaurea)



Single Annual Mums



"Dusty Miller" (Centaurea)

COSMOS ☉

These delightful, fall blooming plants are seldom lacking in our gardens. Their growth is much branched and bushy up to 5 or even 6 feet, the fine-cut, lacy foliage being decidedly ornamental from the very first. Special soil preparation is not necessary and the early flowering kinds may be sown where they are to stay; but the later types should be started inside, preferably potted to procure a confined root-ball, and transplanted to not less than 18 inches interval only after danger of frosts is over. It is well to pinch back the tops at about 2 feet, to induce more branches. The flowers are conspicuously large and well distributed, brightly colored, and very welcome for both garden show and bouquets at a time when bloom is scarce.

MAMMOTH EARLY FLOWERING

Flowers fully equal in size to the Giant Fancy class, blooming abundantly in August. Develops quicker, although not so tall.

Mixed, Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.

GIANT FANCY COSMOS

Called "Giant" because their flowers were so much larger and more perfect than the old line of Cosmos, which they have since entirely replaced. On account of their late bloom, it is best to sow their seeds inside to get an early start; then by transplanting after the late spring frosts, Northern gardens may be rewarded for a considerable period before the first frosts of autumn.

Fancy Mixed, Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

NEW DOUBLE CRESTED COSMOS

This beautiful type is something entirely different from other Cosmos. The flowers are double-crested having double centers with a row of petals around the base. Flowers are borne on strong stiff stems, fine for use as a cut flower.

Crimson King. Richly deep crimson shade.

Pink Beauty. Very delicate pink.

White Queen. Pure white, outer petals fringed.

Exceedingly pretty.

Crested Mixed. The color shades not separated.

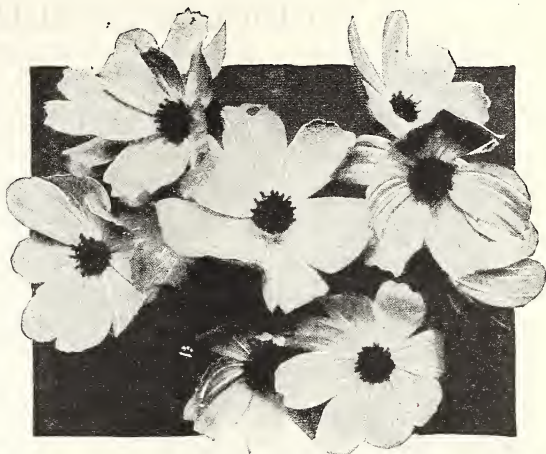
Price: Each, Pkt. 10 cts., 3 pkts. for 25 cts.

COBEA SCANDENS

A fine rapid growing climber, with handsome foliage and large bell-shaped flowers; green at first but rapidly changing to purple. Seeds should be started in hot-bed or rather dry soil (as they are apt to rot in open ground); setting them edgewise and just barely covering. Tender annual. 20 feet. Pkt. 10 cts.



English Daisies



Giant Fancy Cosmos

COLEUS (Choicest New Hybrids)

A beautiful class of popular decorative foliage plants with such diversity of pattern and rich coloring, their growing is a matter of absorbing interest and pleasure. For bedding or pot culture.

Mixed, Pkt. 20 cts.

CYCLAMEN

Bulbous-rooted plants, with beautiful foliage and richly colored, fragrant flowers. Tender perennials.

Persicum Giganteum. Six inches high; large pea-like solitary flowers in abundance. **Mixed**, Pkt. 35 cts.

DAHLIA ☉

Half hardy perennial; 2 to 4 feet. Popular late summer and autumn flowering plants. The double type will bloom first season if sown by April 1st; but sowing the Singles may be deferred as late as June.

Double Mixed. Finest double flowers, including the new, large flowered varieties. Pkt. 20 cts.

Single Giant Perfection. The flowers are large; many are marbled and striped. **Mixed colors**. Pkt. 10 cts.

ENGLISH DAISY

(*Bellis Perennis*.) A favorite dwarf perennial, the 6-inch plant providing a vast amount of short stemmed bloom through the spring and summer. Extensively used as edging plants, and usually carry over if winter mulched. Sow seed early in hot-bed or house and transplant to a rich, cool, partially shaded situation.

Monstrosa Red. Giant flowered red. Pkt. 10 cts.

Monstrosa White. Very large flowered. Pkt. 10 cts.

Maxima Double Mixed. Various shades. Pkt. 10 cts.

SHASTA DAISY☉

The pure white flowers with yellow centers are 3 to 4 inches in diameter, with waxy petals mostly broad and flat. They bloom the entire season and furnish an unfailing supply of cut flowers, besides being a conspicuous and popular white border plant. Hardy perennial; $1\frac{1}{2}$ to 2 feet. Pkt. 10 cts.

DATURA

(*Angels Trumpet*)

Showy, large branching plants, growing 2 to 3 feet high, bearing creamy white, trumpet-shaped flowers 6 inches in length, with a wide bell. They make a fine subtropical effect in the garden if given light rich soil and a sheltered sunny location. Pkt. 10 cts.

DIDISCUS COERULEUS (Blue Lace Flower)

Seed sown outdoors after danger from frost, should insure bloom continuously from July to October. The much-branched plants grow to about 2 feet, with subdivided foliage. The terminal flower umbels average close to 3 inches across, a lacy association of long thin tubes and flaring faces in the numerous florets. The entire flower is such an appealing shade of "heavenly" blue, and its construction so dainty, we cut it for solid vase fulls, and as a mixer and we pot it for winter house-bloom. Pkt. 10 cts.

ESCHSCHOLTZIA or California Poppy

California's state flower. Dwarf plants about 1 foot high, with spreading, silvery, fine cut foliage; furnishing a liberal quantity of poppy-like flowers from spring until late fall. In addition to the original yellow, the class is now enriched by various color shades. Border plants or masses. Hardy annuals.

Golden West. Large overlapping petals; shining yellow, with orange blotch. Pkt. 5 cts.

Mandarin. Inside orange, outside scarlet. Pkt. 5 cts.

Rosy Morn. Delicate frilled flower, rosy pink, white inside. Pkt. 5 cts.

Mixture of above varieties. Pkt. 5 cts.

Bush Eschscholtzia. A fine bushy plant 2 feet high, with large cup-shaped yellow flowers, on long stems. Keep well in water. Pkt. 10 cts.

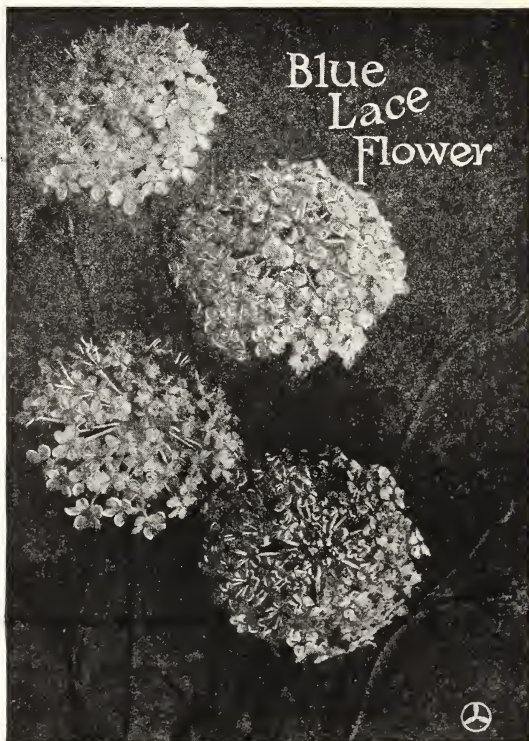
EUPHORBIA

Heterophylla. (Mexican Fire-plant.) An annual resembling the Poinsettia in habit and color. Smooth glossy-green leaves which in mid-summer turn to a beautiful orange-scarlet. 2 to 3 feet. Pkt. 10 cts.

Variegata. (Snow-on-the-mountain.) An old garden favorite; foliage and flowers veined and margined white. 2 to 3 feet. Pkt. 10 cts.



California Poppy

**FEVERFEW**⊙

Double White. A bushy plant, bearing a profusion of double white daisy-like flowers of great popularity for summer bouquets. Hardy annual. Pkt. 10 cts.

FOUR O'CLOCK (Marvel of Peru)

Blooms the first season from seed; the flowers, which are produced in clusters, open in the afternoon and wither the next morning. Generally planted in solid rows, to outline the garden plot or walks; its innumerable flowers and gorgeous diversity of colors furnishing a great deal of cheer at little expense. 2 feet. Our mixture contains a fine variety of colors. Pkt. 5 cts., oz. 15 cts., ¼ lb. 50 cts.

FORGET-ME-NOT (Myosotis)

Hardy perennial, ½ foot. Very dainty edging plants.

Palustris. Blue, with white and yellow eyes. Pkt. 10 cts.

Victoria. Fine heads of large, clear, azure blue; plants bushy and compact. Pkt. 10 cts.

FOXGLOVE (Digitalis)

The mammoth 3 to 5 feet spikes of densely set colored flowers make them very desirable for use as backgrounds for lower growing plants. Hardy biennials. **Finest Mixed Gloxinoides.** Pkt. 10 cts.

GAILLARDIA⊙ (Blanket Flowers)

Grandiflora. Hardy perennial, 2 feet, blooming first season. Flowers large and flat; yellow and orange, with center and rings of varying extent in shades of red and maroon. **Mixed.** Pkt. 10 cts.

Picta Mixed. Annual. 1½ feet. Double and single flowers of many color shades. Pkt. 10 cts.

GEUM⊙

Mrs. Bradshaw. For use in bouquets and for red in hardy borders. They closely resemble dark crimson Carnations with broad, fluted petals, and a conspicuous tuft of golden stamens at center. Hardy perennial; 1½ feet. Pkt. 15 cts.

We pay postage on all seed orders, except where otherwise noted.

GOURDS

A tribe of tender annual climbers (10 to 20 feet) with curiously shaped, fancifully patterned, hard shell fruits, which may be used in many practical ways.

Large Ornamental Mixed. Pkt. 10 cts. each.

Small Ornamental Mixed. Pkt. 10 cts. each.

GODETIA

Their beautiful satiny, open flowers, covering a wide range of colors, produce a delightful effect in masses or borders. They bear good flowers even in shaded places where so few flowers can be grown, and are better in the cooler sections, and in not too rich soil. Hardy annuals. 1 foot.

Finest Mixed. All colors. Pkt. 10 cts.

GYPSOPHILA[®] (Baby's Breath)

Delicate stems and foliage in rounded clumps; profusely sprinkled with tiny star-blossoms. These misty panicles are exquisite "mixers" with other flowers, either in bouquets or in the garden.

Elegans. Annual. To provide continuance of bloom, should be sown several times. Pkt. 5 cts., ½ oz. 20 cts., oz. 35 cts.

Paniculata. Hardy perennial; 2 feet. Flowers white, with a general impression of being lavender, when in bud. Pkt. 10c.

HELICHRYSUM[®]

("Strawflower or Everlasting")

Hardy annual, 1½ feet. Flowers are round, flat but thick, very full of short, stiff, incurved petals surrounding a depressed center. Their chief value is for winter use in baskets and vases, dried. Cut with long stems when about a third opened, suspend bunch (heads down) in a cool, dry place until thoroughly dried. We offer the **MONSTROSUM fl. pl.** strain, which is the largest and most double, with the widest range of colors.

Fireball.	Silverball.	Rose Queen.
Goldenball.	Crimson.	Salmon Queen.
Scarlet.	Violet Queen.	

All above varieties, Pkt. 10 cts. each.

Monstrosum fl. pl. Mixed. Pkt. 10 cts., ¼ oz. 25 cts.

Strawflower Set. 1 Pkt. each of the 8 varieties for 60 cts.

HELIOTROPE

Valued for the fragrance of their flowers, and duration of bloom. Tender perennial, 1 foot. Easily grown, blooming first summer if sown early.

Lemoine's Giant Hybrid. Of robust growth, and large flower heads. Choice Mixed colors. Pkt. 10 cts.

HIBISCUS (Marsh Mallow)

Hardy perennial. Spreading growth up to 5 feet. Immense, single bell-flowers during late summer, in shades of red, pink and white. **Mixed.** Pkt. 10 cts.

HOLLYHOCKS

Hardy perennial. 3 to 5 feet. Sow seed in June or July in open ground, transplant to 3 feet apart. Will bloom next year.

Double Flowered. All varieties. Pkt. 10 cts.

Double White.	Double Yellow.
Double Pink.	Double Red.
Double Maroon.	Double Mixed.

Single Flowered. Mixed. Tall growth; rich pillars of color. Pkt. 10 cts. each.

Mammoth Fringed. (Allegheny.) The flowers are from 4 to 6 inches across, single and semi-double, finely fringed and curled. Will bloom the first season if sown early.

Choice Mixed. Pkt. 10 cts.



Helichrysum

HYACINTH BEAN (*Dolichos*)

A rapid growing annual climber, making about 10 feet. They bloom freely in large, upright racemes of pea-like flowers, either white or purple; followed by ornamental purple seed pods. Sow seed in April or May. **Mixed.** Pkt. 10 cts., ½ oz. 20 cts.

ICE PLANT

(*Mesembryanthemum*)

For baskets, rock work, vases. Appears covered with ice crystals. Tender trailer; 6 inches. Pkt. 5 cts.

IPOMEA

Tender annual climbers of rapid growth.

Grandiflora. (Moonflower.) Grows 25 to 30 feet. At night the plants are covered with solitary 4 to 5 inch, round pure white, fragrant flowers. Pkt. 10 cts., ½ oz. 30 cts.

Heavenly Blue. Flowers 4 to 5 inches across, in large clusters, a beautiful sky-blue against richly green, large foliage. Pkt. 10 cts.

Quamoclit. (Cypress Vine.) A tender annual, 15 foot climber, with delicate dark green feathery foliage and abundance of bright, star-shaped rose, scarlet or white blossoms. **Mixed.** Pkt. 5 cts.

Setosa. (Brazilian Morning Glory.) Extremely rapid growth producing dense shade; delightful 3 to 4 inch rose colored flowers. Pkt. 10 cts.

Sloteri. (Cardinal Climber.) A splendid climber that has created a sensation wherever grown. It reaches a height of 20 to 30 feet and is covered from midsummer till frost with clusters of vividly red, 1½ inch flowers, shaped like the Morning Glory. Leaves are deeply lacinated and are in themselves very decorative. Pkt. 15 cts.

JOB'S TEARS

Broad, glistening grass. The odd, tear-like seeds are often strung and used as beads. Hardy annual. Pkt. 5 cts., oz. 20 cts.

Notice our Rainbow Iris Collection on Page 41.

KOCHIA*(Summer Cypress or Burning Bush)*

An annual plant of ideal character for temporary summer hedges. A feathery dense egg-shaped bush ranging from 2 to 4 feet according to soil. Foliage is so fine and close-set, the bush resembles a formally clipped evergreen, although soft enough to ripple. Pale, tender green throughout summer, the color turns towards fall to vivid red. Sow thinly in spring for an unbroken line, but for individual expression transplant to 18 or 24 inches apart. Pkt. 10 cts., 1/4 oz. 25 cts.

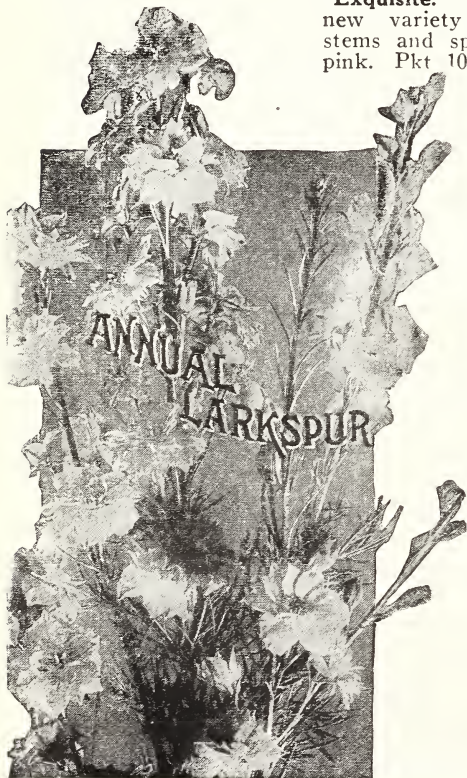
**LARKSPUR** © *(Delphinium)**(Annual)*

Giant Hyacinth Flowered. The plants grow 3 feet high with long spikes of giant flowers. Earliest flowering. Try these broadcasted with Shirley Poppies and Calliopsis. **Mixed Colors.** Pkt. 10c.

Emperor. Produces an abundance of long slender spikes in the most delicate colors. Mixed. Pkt. 10c.

Double Dwarf Rocket. 1 foot. Finest mixed. Pkt. 10 cts.

Double Tall Stock-flowered "Exquisite." A charming new variety with long stems and spikes; dainty pink. Pkt 10 cts.

**LARKSPUR—Continued**

Newport Scarlet. This scarlet variety is one of the choicest; ideal for cutting. Pkt. 10 cts.

(Perennial)

Useful and prolific, unsurpassed for furnishing the various shades of blue. All summer's bloom. Easily grown from seed.

Belladonna. A magnificent sort unrivalled for continuance of bloom, with large spikes of the most delicate turquoise blue. Fine for cutting. Pkt. 20 cts.

Formosum. Dark blue with white eye; 3 feet. Pkt. 15 cts.

Choice Hybrids. Mixed. Pkt. 10 cts.

How to Transplant Annuals

When the seedlings crowd each other it is the right time to transplant. It is good to water the soil about the plants several hours before transplanting so that as much of the soil as possible will adhere to the roots. If possible, move the tender seedlings on a dull day. If the sun is shining, the young plants should be covered with a newspaper or flower pot after moving so that the tops will not dry out. After moving, shorten the tops and water well.

LOBELIA

A most excellent and useful genus of plants, easy of culture and well adapted for bedding, hedging, hanging baskets, pots or rockeries. Seed should be covered lightly.

Crystal Palace Compacta. Fine for bedding, compact, erect growth, deep blue. Annual. Pkt. 10 cts.

Erinus Speciosa. Of trailing habit, bright blue flowers; fine for baskets. Annuals. Pkt. 10 cts.

Mixed. Compact varieties. Annuals. Pkt. 10 cts.

LUPINE ©

Annual Mixed. Easily grown annuals, about 2 feet. Produces an abundance of long, graceful spikes of pea-like flowers which are very showy and pretty in shades of blue, rose and white. Fine for beds or borders as well as for cutting. Does well in partial shade. Pkt. 10 cts.

*Lupine*

*Mignonette Machet*

LYCHNIS CHALCEDONICA

Bright scarlet flowers of maltese cross form, usually in medium size flat umbels, handsome for beds and borders. Of easy culture, growing in any rich garden soil, blooming the first year if sown early. Hardy perennials. 2 to 3 feet. Pkt. 5 cts.

MARIGOLD® (Tagetes)

The African varieties run to solid shades; the dwarf French varieties to fancy striping. All types are richly contrastive when assembled with the blue of Larkspurs or the vivid tones of Zinnias. Hardy annual.

Dwarf Double African Lemon. Pkt. 5 cts.

Dwarf Double African Orange. Pkt. 5 cts.

Dwarf Double African Mixed. Mixed orange and yellow shades. 1½ to 2 feet. Pkt. 5 cts., ¼ oz. 25c.

Tall Double African Eldorado. Densely double flowers of extra size; rich golden yellow. Pkt. 5c.

Tall Double African Lemon. Pkt. 5 cts.

Tall Double African Orange. Pkt. 5 cts.

Tall Double African Mixed. 3 feet. Varied color shades and showy. Pkt. 5 cts.

Dwarf French Double and Single Mixed. 1 foot. Finely cut foliage; flowers in fancy color combination and marking. Pkt. 5 cts., ¼ oz. 20 cts.

Signata Pumila. (Pot Marigold.) Showy, dwarf, compact. Fine for potting, borders and edging beds. Rarely 12 inches high, with delicate fern-like foliage, and a summer's wealth of golden-yellow flowers. Pkt. 10 cts., ⅓ oz. 20 cts.

DWARF SINGLE FRENCH MARIGOLD

Legion of Honor. A single-flowering Marigold, forming compact bushes 9 inches high. Begins flowering early, commencing in June, continuing until frost. The flowers are golden yellow, marked with a large spot of velvety crimson at the base of each petal. Pkt. 5 cts., ¼ oz. 25 cts.

MIGNONETTE®

A delightfully fragrant, hardy annual, blooming the entire season in the flower border; also fine for cutting, and for pot culture during the winter and spring.

Goliath. Immense spikes, on strong stiff stems; very fragrant, fine for cutting; bright red. Pkt. 5 cts., ¼ oz. 30 cts.

Machet. The plants are dwarf and vigorous, of pyramidal growth; with long spikes of reddish green flowers. Pkt. 5 cts., ¼ oz. 25 cts.

Large Flowering. Sweet Mignonette. Pkt. 5 cts., oz. 20 cts.

MORNING GLORIES

(*Convolvulus*.) Annual vines, their morning glory of bloom unmatched for daintiness and refreshment, by any flower that heralds the dawn of day.

Convolvulus Major. The old fashioned Morning Glory, of rapid climbing growth and profuse bloom. Pkt. 5 cts., oz. 20 cts.

Japanese Giant. A class of climbers making a growth of 20 to 30 feet quite early in the season. Their large flowers are striped, spotted and margined in all shades from white to deepest red blue and purple. Many are fluted and fringed. Sow the seeds early in a warm sunny place. Choice mixed. Pkt. 10 cts., ½ oz. 20 cts., oz. 35 cts.

Large Flowering Rochester. Vines strong, growing 12 to 20 feet high, with magnificent foliage. Flowers 4 to 5 inches across, deep violet blue in the throat, graduating out to an azure blue, bordered with a white band around the edge. Pkt 10 cts., oz. 30 cts.

S. & H. "OLD GLORY" MIXTURE of Gladioli (See P. 71)

One dozen bulbs, assembled from our best standard large flowering varieties. We maintain the high quality of this collection and feature it every year.

The dozen, by mail (Postpaid).....**60c**
\$4.50 per 100.

*Pot Marigold*

Plant "Pot Marigolds" for a charming dwarf border.



NASTURTIIUMS

There is a distinct, peppery and altogether pleasing scent to Nasturtium flowers; the foliage is so pretty in its roundness and fresh, clean green; the coloring is so vividly bright and cheery, there is small wonder that the various types of this family are so extensively planted. They do not require anything unusual in the way of fertilization or attention, grow rapidly and bloom within a few weeks.

Tall Mixed. This is one of the most complete mixtures of Climbing Nasturtiums on the market; it includes, besides the various colors in this class, the popular strains of Mad. Guenther, Hybrids, Lobbs and Chameleon. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Lobb's Climbing Nasturtiums. This is a choice selection of superior strains among the tall or climbing Nasturtiums, expressing the best in foliage and growth; with flowers a little more profuse, and running strong to rich red shades. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts.

Dwarf Mixed. This splendid mixture contains all the named varieties and every color. No finer mixture can be made. They will produce enormous flowers on long stems, in a wonderful variety of colors.

Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

NICOTIANA

(Sweet Scented Tobacco Plants)

As summer garden plants, their long, broad leaves are quite as attractive as the fragrant star-shaped bloom.

Affinis. Pure white, sweet-scented flowers. Pkt. 10 cts.

Hybrida Mixed. Has large star-shaped flowers in many colors. If plants are taken up in fall, cut back, potted, they will bloom in the house during the winter. 2 to 3 feet. Mixed colors. Pkt. 10 cts.

NIGELLA

("Love-in-a-Mist" or "Devil-in-the-Bush")

Damascena. Compact plants a foot high, with fine cut foliage within which is set a profusion of pretty, curious shaped flowers and seed pods; make good short-stemmed cut flowers. **Mixed** blue and white. Pkt. 10 cts.

A USEFUL LIST of ANNUALS



FOLIAGE ANNUALS

Amaranthus (Joseph's Coat)
Job's Tears
Kochia
Vines, Annual

FOR TEMPORARY HEDGES

Balsam
Four O'clock
Helichrysum
Kochia

FOR POOR SOIL

Alyssum, Sweet
Balsam
Bachelor's Button
Calliopsis
Godetia
Amaranthus (Joseph's Coat)
Eschscholtzia
(California Poppy)
Nasturtium
Poppy
Portulaca

ANNUALS—Hard to TRANSPLANT.

(Sow these in garden bed where they are to remain.)

Chrysanthemums
Poppies
Candytuft
Nasturtium
Lupine
Lavatera
Eschscholtzia
Calendula
Calliopsis

EDGING ANNUALS

Ageratum
Alyssum, Sweet
Baby's Breath
Calliopsis (Choose dwarf variety)
Candytuft
Celosia (Choose dwarf variety)
Lobelia
Marigold (Dwarf French and Signata Pumila)
Nasturtiums (Dwarf)
Pansy
Petunia
Phlox, Annual
Portulaca
Snapdragon (Dwarf)
Verbena

FOR HOT, DRY PLACES

California Poppy
Ice Plant
Phlox, Annual
Portulaca



"Love-in-a-Mist"

This character (©) indicates the variety is a good cut flower.

S. & H. CO. PANSIES®

Pansy seed sown in August will provide strong plants for early spring bloom. The latter part of April is best for spring sowing, under normal conditions, producing flowers by the last of June and continuously until fall. A well enriched, finely worked soil is best. If drilled in, seed should be covered not over four times its own depth. If thinly covered (paper will do), to preserve moisture, germination should occur within 8 to 12 days. When the plants are sufficiently developed transfer to desired location allowing about 9 inches for interval. Many people start them in hot beds or in boxes in the house, about two weeks before the probable earliest planting time.

SUPERB GIANT PANSIES

The Superb Giant strain of Pansy seed represents the culmination of many years' rigorous selection, with the object in view of getting a type of flower at once the largest and most impressive, together with the most striking faces and richest colorings.

Adonis. Light blue, with white center. Pkt. 10 cts.

Beaconsfield. Deep purple violet, shading to lavender and white. Pkt. 10 cts.

Black. Jet black. Pkt. 10 cts.

Mad. Perrett. Edge of petal is frilled. The colors are dark wine, pink and red, beautifully veined and all with a white margin. Extra large flowers. Pkt. 15 cts.

Masterpiece. Distinct in form of flowers, the border of each petal being conspicuously curled or waved, giving the flower a double or globular appearance. Choice mixed colors. Pkt. 20 cts.

Peacock (or Pheasant's Eye). The upper petals are peacock shade, the lateral and lower petals deep claret, with white margin. Pkt. 10 cts.

President McKinley. Deep golden yellow, each petal bearing a large blotch of dark violet. Pkt. 15 cts.

Purple. Giant, long stemmed flowers. Pkt. 10 cts.

Ruby. Superb red. Pkt. 15 cts.

Striped. Beautifully striped and blotched. Pkt. 10 cts.

White. Extra large, pure white flower. Pkt. 10 cts.

Yellow. Large, pure yellow. Pkt. 10 cts.



S. & H. Superb Giant Mixed Pansies

TRIMARDEAU MIXED PANSIES

A particularly robust, hardy strain with richly colored flowers in the giant class, which rarely fails to give perfect satisfaction. Many growers claim better results and greater popularity for this type than obtainable from any other. Pkt. 10 cts., $\frac{1}{8}$ oz. 50 cts.

EXCELSIOR MIXED PANSIES

One of the older types of selected large flowered Pansies. It lacks many of the unique markings characteristic of newer forms, but still retains its

own particular qualifications which make it especially adapted for bedding purposes. Pkt. 10 cts., 3 pkts. 25 cts., $\frac{1}{8}$ oz. 40 cts.

PENTSTEMON

New Large Flowering. The numerous Gloxinia-shaped flowers are borne in long spikes from May until frost. Will bloom the first season if sown early in a hot-bed and planted out as soon as frosts are over. The colors are white, pink, rose and crimson, many being spotted and margined with a contrasting color. Hardy perennial. **Choice Mixed.** Pkt. 10 cts.



Large Flowering Pentstemon

Our Superb Mixture of GIANT PANSIES

Probably the most important and most extensively used of all Pansy mixtures. It is a painstaking distribution of the numerous named varieties of its class, together with Odier, Cassiers, Bugnot and Trimardeau selections. Pkt. 15 cts., 2 pkts. 25 cts., $\frac{1}{8}$ oz. \$1.25.

"Pansies are for thoughts"; the world thinks well of them.

PETUNIAS

"BALCONY" PETUNIAS



A valuable section remarkable for their great freedom, with flowers 3 inches across. Particularly adapted to use in vases, hanging baskets or window boxes.

Balcony Blue. Rich, velvety indigo blue.

Balcony Crimson. Of startling clearness.

Balcony Rose. Brilliant, attractive rose-pink.

Balcony White. Conspicuous. Pure, waxy white.

Balcony Mixture. Not comparable to ordinary mixtures; the extreme size, clear colors and distinctive form emphasizing their superiority; each packet furnishing a multi-colored little garden in itself.

PRICE. All "Balcony" Petunias 15 cts. per pkt.

SINGLE BEDDING PETUNIAS

Howard's Star. Clear purple with distinct white star filling throat, extending to edge of petals. Pkt. 10 cts.

Rosy Morn. Compact, bushy growth, fifteen inches in diameter, covered throughout entire season with open-throated flowers $1\frac{1}{2}$ inches in diameter. Distinct and glowing, although a soft tone of rose-pink, with silvery white throat. Pkt. 10 cts.

Triumph. Of uniform growth and general superiority as a mass bedder; beautifully ruffled, and conspicuous in its clear, bright pink color. Pkt. 25 cts.

Finest Striped and Blotched. Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.

Single Fine Mixed. Pkt. 5 cts., $\frac{1}{4}$ oz. 30 cts.

SINGLE LARGE FLOWERING PETUNIAS

Fringed. (Fimbriata.) A strain of beautifully fringed flowers. Colors rich and brilliant. Pkt. 20 cts.



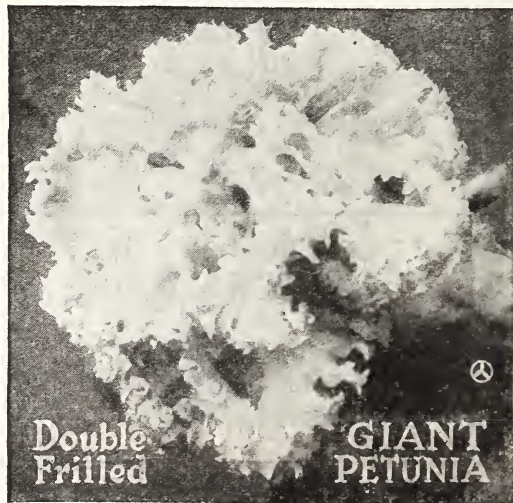
Giant Ruffled. The flowers of this strain are ruffled and fringed, colors rich and gorgeous, with deep throats of various shades. Fine mixed. Pkt. 25 cts.

Giant of California. Choicest mixed seed saved from show flowers. Very large. Pkt. 25 cts.

Elks Purple. The magnificent "color" of the Elks Order. The single flower of this fine new variety is of giant proportions; gracefully rolling, its five-pointed lobes distinct. The color is solid, of the richest purple shade conceivable, with a velvety black lustre over all. Very free blooming, active and exceptionally noticeable. Pkt. 25 cts.

DOUBLE GIANT FLOWERING PETUNIAS

We consider this one of the finest mixtures of Double Petunias; composed of the best and largest flowered strains grown. While a fair per cent of Double Petunia seed will produce double flowers, some will not. The single ones, however, will be richly colored and finely marked. **Choice Mixed.** Pkt. 35 cts.





PHLOX®

So many wonderful improvements have developed among the hardy perennial Phlox, people are forgetting the annual types. This is a mistake; for nowhere among perennial beds can that same density of bloom and vividness of color be found as is shown by the annual Phloxes.

DRUMMONDI GRANDIFLORA

For a splendid mass of color and constant display, this type is not excelled by any other annual. Blooms early, continuing until severe freezing. The seed may be planted in the open ground May 1st or in hot-bed or house earlier, and afterwards transplanted to where wanted into rich ground, 8 to 10 inches apart each way. Hardy annuals; 1 foot.

Alba. Pure white; very large.

Coccinea. Rich brilliant scarlet.

Isabellina. Pale primrose yellow.

Rosea. Rose colored; large white eye.

Splendens. Crimson with white eye.

Above Varieties—Each, Pkt. 10 cts.

Grandiflora Choice Mixed

A choice mixture of all colors in the type. Pkt. 10 cts., ¼ oz. 40 cts., oz. \$1.25.

DRUMMONDI NANA (DWARF)

Grows about 6 inches high, splendid for pot culture or for ribbon lines and for massing. In choicest **Mixture**. Pkt. 10 cts.

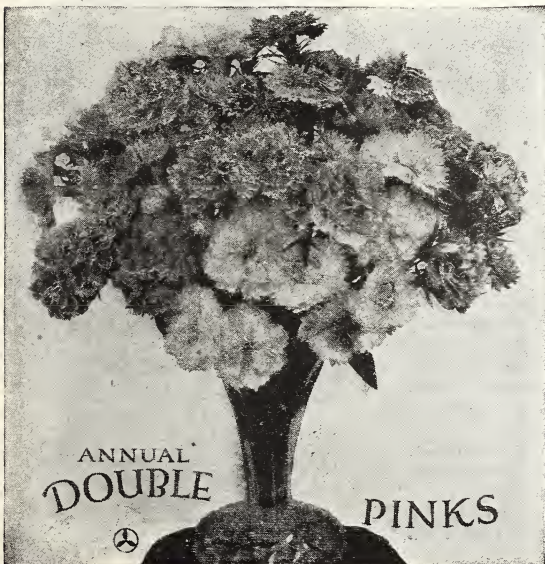
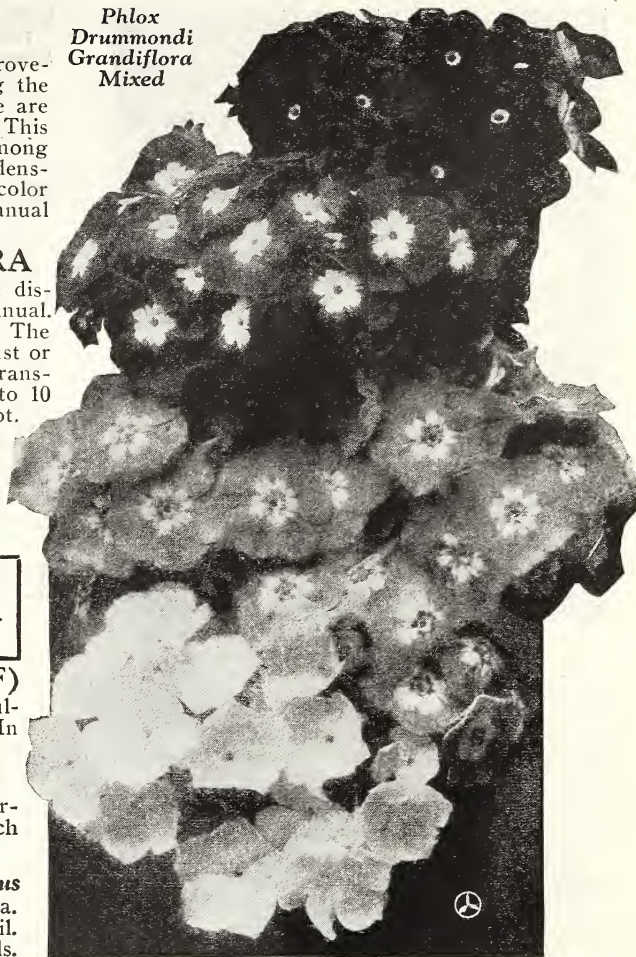
STARRED AND FRINGED

The most interesting of the Phlox family, bearing pretty star-shaped and fringed flowers, rich in colors. **Choice Mixed**. Pkt. 10 cts.

PERENNIAL PEA *Lathyrus Latifolius*

Known and sold as Everlasting Sweet Pea. Quite hardy and not particular as to soil. Splendid for covering rocks, stumps and walls. **Mixed**. Pkt. 10 cts. each.

Phlox
Drummondii
Grandiflora
Mixed



PINKS® (Dianthus)

Few other plants produce more flowers or cover a longer blooming period. Height averages 1 foot, making them available for edgings. They are actually biennials, and will survive the winter if it is not too severe.

DOUBLE ANNUAL PINKS

Chinensis fl. pl. (Double China Pink.) The colors are rich, and you hardly find two alike. Pkt. 10 cts.

Snow Queen. (Double White Japan.) One of the prettiest of white cut flowers, and very useful as a white border. Pkt. 10 cts.

Double Choice Mixed. Mixture of all the above double annual varieties. Pkt. 10 cts., ¼ oz. 30 cts.

SINGLE ANNUAL PINKS

Choice Mixed. All the best single annual varieties with flowers averaging 2 inches in diameter, very bright with extremes of color and fancy patterns. Pkt. 5 cts., ¼ oz. 30 cts.

PLATYCODON (Balloon Flower)

The unopened buds resemble miniature balloons opening up as deep throated, 1½ to 2 inch bells. Hardy perennial, 2 to 3 feet; prolific and long season of bloom. Seed sown in early spring will bloom in August.

Mixed Colors. (Blue, white.) Pkt. 10 cts.

Order early—you may depend on us to ship at just the right time.



POPPY

Poppies are among the most interesting of the garden flowers with vivid colors and fern-like foliage. Annuals should be sown as early in spring as possible, in the location where they are to remain, as they do not transplant successfully. Seed should be just barely covered, although firmly pressed down. Thin out to 3 or 4 inches between plants; and take time to remove old flower stems.

ANNUAL KINDS. Price: Pkts. 5 cts. each.

American Flag. Flowers extra large, double, snow-white, each petal bordered with scarlet.

Carnation Flowered. Brilliant, many petaled, finely fringed flowers of mixed colors.

Peony Flowered. Globular flowers of good size, resembling fully double Peonies. Mixed.

Tulip Poppy. The 3-inch flower resembles a Scarlet Gesneriana Tulip in color, with deep black spots at the base of each petal. 2 feet.

Mixed Double Annual Poppies.

Shirley Poppies. This type is perhaps the most beautiful of all; one sowing keeping the bed alight all summer. Although they are mostly single, many come semi-double, or with fluted margins. The colors range from white, through various shades of pink, to scarlet and deepest crimson. **Mixed.** Pkt. 5 cts., $\frac{1}{4}$ oz. 25 cts.

PERENNIAL POPPIES. Price: Pkts. 10 cts. each.

These **Large Flowered** kinds average 6 inches across, and are imposing in spring, with their fiery bloom, on nodding stems 3 to 4 feet high. They do not bloom the first year from seed.

Bracteatum. Crimson, black spots in center.

Oriental. (Oriental Poppy.) Orange scarlet.

Large Flowered Mixed.

Small Flowered

Iceland. (Papaver Nudicaule.) Single, cup-shaped flowers 2 to 3 inches in diameter with ruffled petals; yellow, orange and white. Sown early in spring will bloom in June and continue until cold weather if not allowed to bear seed. **Mixed colors.**

PORTULACA ("Moss Rose")

Trailing plants which love the sun, and nestle close to the warm, sandy loam of their choice. The numerous round, flat flowers set close, and brilliantly illumine the emerald of the foliage with vivid shades of red, yellow, pink and white. Half-hardy annual. **Double Mixed.** Pkt. 10 cts., $\frac{1}{8}$ oz. 50 cts.

Single Mixed. Pkt. 5 cts., $\frac{1}{4}$ oz. 20 cts.

PRIMROSE (Primula)

Obconica Grandiflora Hybrida. For pot culture, also for the open border during summer. If sown early in spring, the seedlings will commence to bloom in May or June and continue throughout the year. **Mixed colors.** Pkt. 25 cts.

Chinese Fringed. One of the finest plants for winter and spring blooming in the house or conservatory; they do well in a cool room, in a north window where most other plants fail. Greenhouse perennials. **Mixed colors.** Pkt. 25 cts.

RICINUS (Castor Oil Plant)

Tender annual. Singly, it makes a perfect pyramid, thickly set with its enormous beautifully lobed leaves; or, a large group of them gives a fine tropical effect. Sow in open ground or in hot bed and transplant.

Sanguineus. Tall, with reddish stalks. Large ornamental reddish-purple leaves. Pkt. 10 cts., oz. 25 cts.

Zanzibarensis, Mixed. Robust strong grower, foliage green and red. Pkt. 10 cts., oz. 25 cts.



Double Portulaca



Double Carnation Flowered Poppy

Consult our Shrub Section Pages 5 to 17.

*Primrose Obconica* (See Page 108)*Single Pyrethrums**Salpiglossis*

PYRETHRUM ROSEUM HYBRIDUM®

Showy, hardy perennials, blooming the first season if sown early. In colors, white, rose, crimson and scarlet; 2 to 3 inch daisy-like, single, anemone and globular double flowers. The foliage is fine-cut and ferny. 2 feet.

Double Mixed. ©Pkt. 25 cts. **Single Mixed.** ©Pkt. 10 cts.

SALPIGLOSSIS®

The distinct colors are marbled and penciled on, many having the appearance of being sprinkled with gold dust. Bloom from August to October, on long stems making an ideal cutflower. Very easily grown. Half-hardy annual; 2 feet. **Emperor.** Choice mixed. Pkt. 10 cts.

SALVIA (Scarlet Sage)

This very popular plant is a tender perennial, but should be treated as an annual. Its beautiful flaming spikes of blossoms will add more to a border than any other plant, and where a brilliant scarlet is wanted it is unsurpassed.

America. Because of its uniform growth coupled with profuse and continuous bloom, this comparatively new variety is particularly valuable for extensive bedding or formal lines. Pkt. 20 cts.

Clara Bedman. (Bonfire.) It grows about 2 feet high and as many broad, and very compact. Its long spikes of fiery scarlet flowers stand up stiff and erect well above the foliage. Pkt. 10 cts.

Splendens. One of the most gorgeous of annuals, blooming readily throughout the summer and fall. The plants grow from 1½ to 3 feet in height, inclined to branch freely towards the top, are completely covered with showy sprays of bright scarlet flowers until cut down by frosts. Pkt. 10 cts., ½ oz. 35 cts.

Zurich. A dwarf variety, but with long full spikes of rich scarlet flowers. It is free blooming, commencing early and continuing with unabated brilliancy until late in the season. Pkt. 15 cts.

*Salvia Splendens**Scabiosa*
(Mourning Bride)

Salvia is the most brilliant of all the fall blooming annuals.

SWEET PEAS®

CULTURE. Locate planting where there will be uninterrupted sunlight, in as good soil as possible, thoroughly mixed with well rotted cow manure. Seed should be sown before the first of April if weather will permit, about 6 inches down in the trench, and covered with an inch of firmly pressed soil. Thin out to 2 to 4 inches apart and a little soil may be drawn in to give greater depth to the roots. Vining support in the form of brush, chicken wire or taut strings should be supplied at the time of sowing. Water sufficiently, pick often to ensure continuance.

"EARLY SUNRISE" MIXTURE

This is a wonderful blend of the named Early Flowering Spencers, displaying a wide range of colors and shades. Pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts.

SUMMER FLOWERING SPENCER MIXED

The "Spencer" type of Sweet Peas, by its greatly increased size, its distinctive frills and waviness, and its general improvement in color depths and patterns, has practically usurped the field.

All varieties and colors in a delightful mixture conceded to be the best result-getter of any Sweet Pea mixture on the market. Pkt. 10 cts., oz. 20 cts., ¼ lb. 45 cts., lb. \$1.50.

S & H "Sunset Mixture" of Summer Flowering Spencer Sweet Peas

As our "Sunrise Mixture" of the early flowering Spencers contains the range of coloring found at dawn in the sky of many climes, so this "Sunset Mixture" of the summer flowering group exemplifies the close of day. It is exactly apportioned in the mixing from really choice named varieties. We have concluded that our customers generally care little for names, but want distinct colors and would mix them up anyway in planting. Here then is this and its companion mixture which we offer with confidence in their ability to satisfy. Pkt. 10 cts., oz. 25 cts., 2 oz. 45 cts., ¼ lb. 75 cts., lb. \$2.25.

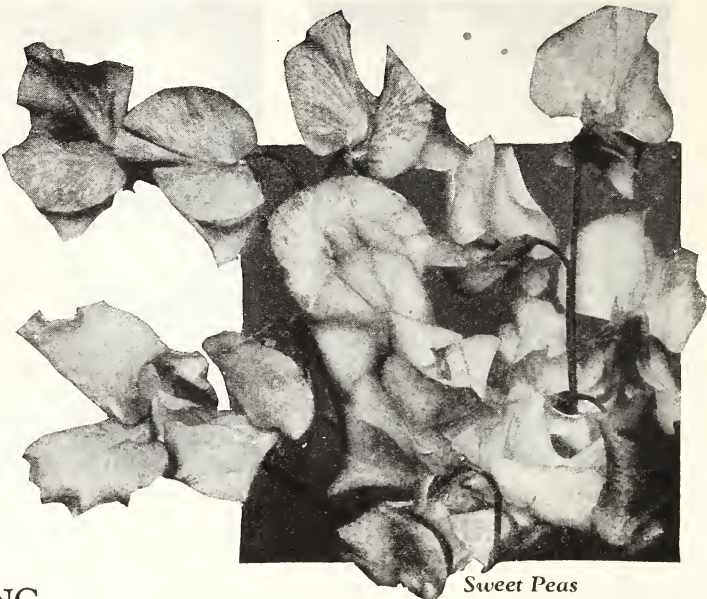
SMILAX

(*Myrsiphyllum Asparagoides*.) A graceful tuberous rooted, tender perennial climber, none surpassing it for its glossy deep-green, most delicate foliage and small white flowers; fine for vases and baskets. Soak the seed 24 hours before sowing; 6 to 10 feet. Pkt. 10 cts.

STOKESIA (Stokes Aster)

A splendid perennial for garden culture, in beds or borders. Blooms first year from seed. 1½ to 2 feet.

Cyanea. Showy deep lavender blue, aster-like flowers, in broad clustered heads from June on. Pkt. 10 cts.



Sweet Peas

SUNFLOWER® (*Helianthus*)

"Cut-and-Come-Again." (The Ever-Blooming Type.) The single flowers, 3 to 4 inches across are borne on long stems admirably adapted for vases. Choice colors in mixture. Pkt. 10 cts.

Double Chrysanthemum Flowered. Grows about 6 feet high and blooms profusely. The perfectly double flowers are bright yellow, from 3 to 6 inches in diameter. Pkt. 10 cts., oz. 25 cts.

Large Russian. A very tall growing double variety; 10 to 15 feet. The seed is used for poultry. Oz. 10 cts., ¼ lb. 15 cts., lb. 30 cts. By express 10 lbs. or more at 15 cts per lb.

Purpureus. (New Red Sunflower.) The flowers come in various shades of red, and red margined with yellow, ranging from 2 to 5 inches in diameter. Plants grow branchily 3 to 4 feet high, and bloom freely. Pkt. 10 cts.

SCHIZANTHUS® (*Butterfly Flower*)

Annuals, producing in a few weeks from seed a plant obscuring wealth of beautiful flowers of many colors, spotted, blotched and veined.

Hybridus Grandiflora. Choice mixed. Pkt. 10 cts.
Wisetonensis. One of the finest large-flowered sorts, colors ranging from pink with brown center to white with yellow center. Excellent for pot plants. Pkt. 15 cts.

STOCKS

The "Gilly flower" is a half-hardy annual. The flowers in close-set, thick panicles on both main stems and side branches.

Double Giant Perfection Choice Mixed. All colors. Pkt. 10 cts.

CUT-AND-COME-AGAIN TEN WEEKS

An "everblooming" strain blooming in July from seed sown in March or April. Although earlier to start, their most perfect state is reached in September-October.

"Cut-and-Come-Again" Stocks Mixed. Pkt. 10 cts.

Plant Sweet Peas for fragrance and for cut flowers.

SWEET WILLIAM® (Perennial)*(Dianthus Barbatu)*

Popular garden flower, showing a wonderful array of vivid colors in fancy patterns. Flowers are shaped, clustered and colored much like Phlox; the markings, however, being more sharply defined. Perfectly hardy, but sow the seed in ultimate location, or transplant when young; as matured plants move awkwardly.

Pink Beauty; Scarlet Beauty; Dark Crimson; Double White. Each—Pkt. 10 cts.

Mixed Single. Pkt. 5 cts.

Mixed Double. Pkt. 10 cts.

ANNUAL

Choice Mixed. Almost identical with the perennial varieties in form of flower, rich and dainty coloring and fragrance, but unlike the perennials which do not bloom until the following year, these are annuals, blooming the same year the seed is sown. Pkt. 5 cts.

THUNBERGIA

Beautiful, rapid growing rather shrubby climbers, with a plentiful supply of trumpet shaped flowers in various colors and markings; fine for vases, rustic work or greenhouse culture. Half-hardy annuals; 5 feet.

Fine Mixed. Pkt. 5 cts.

VERBENA (Mammoth Flowered)

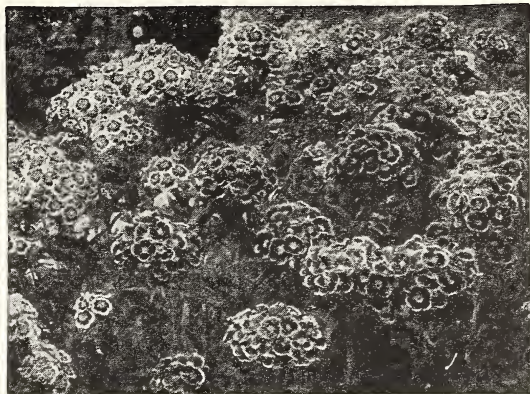
A showy annual creeper, literally covered with large umbels of brilliant blossoms. For early blooms sow in boxes and transplant into rich soil 15 inches apart. May be sown in April in the open and thinned.

Pink. Pkt. 10 cts. **Scarlet.** Pkt. 10 cts.

Blue and Purple Shades. Pkt. 10 cts.

Lucifer. New, large, cardinal red. Pkt. 20 cts.

Mixed. Pkt. 10 cts., ¼ oz. 35 cts.

*Sweet William***S. & H. "Color Riot"****WILD GARDEN MIXTURE**

"Color Riot" Annual Mixture. Contains a mixture of hundreds of free flowering annuals that will give amazing effect the first year.

Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts.

"Color Riot" Perennial Mixture. A splendid mixture of permanent flowers, all free flowering and very desirable.

Pkt. 10 cts., oz. 35 cts.

WALL FLOWER

Deliciously fragrant flowers in long, full spikes which are very free and pretty during the spring. They combine many shades of color; the orange, purple and chocolate predominating. Tender perennial, requiring winter protection in the north; 1½ feet.

Double Mixed. (Perennial.) Pkt. 15 cts.

Annual Mixed. Blooms first year. Pkt. 10 cts.

Verbenas*Wall Flower*

Try the S. & H. "Old Glory" Gladioli mixture. See page 71.

ZINNIAS®

Few flowers are so easily grown from seed sown in the open ground or bloom so abundantly and continuously as this hardy annual. Marvelous improvements have been wrought in the newer strains. We recommend them for groups, beds, borders and summer hedges, where they will bloom quite freely, but are incomparably bright during the month of August. Sow seed in the open ground early in spring or start them in hot-bed or warm window and transplant when the ground is suitably warmed. Height, 1½ to 2 feet.

NEW DOUBLE *Dahlia* Flowered ZINNIAS

This mammoth sized, unusual shaped and color perfected type has revolutionized the appearance of our annual gardens during the past two years. They very closely resemble the double decorative type Dahlias in form and in their robust growth. Plants get up to 3 feet in height, with perfect flowers often 6 inches wide by 3 and 4 inches in depth. These range widely as to color, even introducing depths and tones heretofore unknown in Zinnias.

Crimson Monarch. Immense flowers often 8 inches wide; the largest and richest of the group. Pkt. 15 cts.

Dream. A beautiful shade not common to this class; deep lavender turning to mallow purple. Pkt. 15 cts.

Golden State. Bright yellow in the bud, deepening with maturity to a rich orange shade. Pkt. 15 cts.

Old Rose. Fittingly named for its color, which beautifies a large and perfect flower. Pkt. 15 cts.

Oriole. A superb variety in size and dahlia character; a warm suffusion of orange and gold. Pkt. 15 cts.

Polar Bear. Of large size, and the best white introduced in this class to date. Pkt. 15 cts.

Scarlet Flame. Vividly descriptive. Pkt. 15 cts.

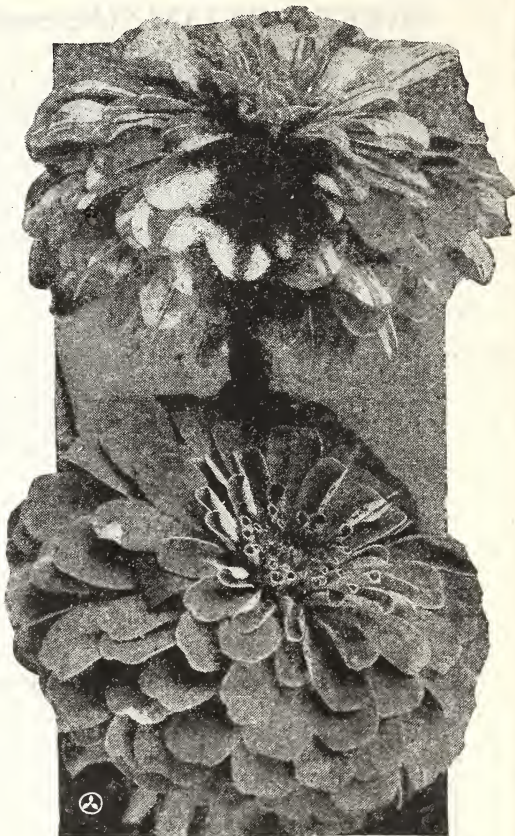
Dahlia Flowered Zinnias Mixed. Pkt. 15 cts., ¼ oz. 75 cts., ½ oz. 40 cts.

NEW GIANT ZINNIA

Picotee. The beautiful flowers are of a Giant type, each petal distinctly tipped with a darker shade as in Picotee Carnations. They come in a variety of colors, including orange, flesh, lemon, pink and cerise each with the peculiar marking on tips of petals. We cannot supply separate colors. **Picotee Mixed.** Pkt. 15 cts.



Dahlia Flowered Zinnia



Zebra and Giant Scarlet Zinnias

GIANT DOUBLE FLOWERED ZINNIAS

These are truly giant, not to be confused with the common or small flowered strains.

Giant Fld. Crimson. **Giant Fld. Purple.**

Giant Fld. Orange. **Giant Fld. Scarlet.**

Giant Fld. Pink. **Giant Fld. White.**

Black Knight. Double flower of deep maroon. Pkt. 10 cts., ½ oz. 25 cts.

Giant Flowered Zinnias Mixed. Above and others. Pkt. 10 cts., ¼ oz. 30 cts., oz. \$1.00.

ZEBRA ZINNIAS

All colors, striped and spotted with different shades. **Mixed.** Pkt. 10 cts., ½ oz. 25 cts.

DOUBLE POMPON ZINNIAS

Flowers small, double and of beautiful form; fine for bouquets. **Fine Mixed** colors. Pkt. 10 cts. ½ oz. 25 cts.

Red Riding Hood. Grows but a foot high. Has compact form and the flowers are small, very double, bright crimson. Makes an effective border. Pkt. 10 cts., ½ oz. 25 cts.

CURLED & CRESTED ZINNIAS

The flowers are large, full and double, the petals being twisted, rendering them free from stiffness. A variety of splendid colors. **Mixed.** Pkt. 10 cts., ½ oz. 25 cts.

We have a national reputation for Hardy Phlox. See pages 46 and 47.

VEGETABLE SEED—

Grow Fresh Vegetables for your Health's Sake

OUR Seeds are sold direct from grower to you. This catalog is the only agent we employ. Our entire resources are devoted to supplying the finest stock obtainable at the lowest reasonable prices.

Days Required. We have placed in figures after the name of most varieties of vegetables, the approximate number of days required from seed sowing, for that variety to reach the stage when it is ready for harvest and market. This feature has received much commendation from our customers for the valuable service it renders them. These figures are based upon tests made in our own locality under average growing conditions. It should be borne in mind, however, that as location, climate, rainfall and soil all have so much to do with crop production, the number of days given will vary with differing conditions.

About Prices. At prices named, all Seeds you may order in Packets, Ounces, Half-Pounds, Pounds or Two Pounds, will be delivered by mail, postpaid. If ordered delivered by express or freight, deduct from such prices at the rate of 10 cents for each pound.

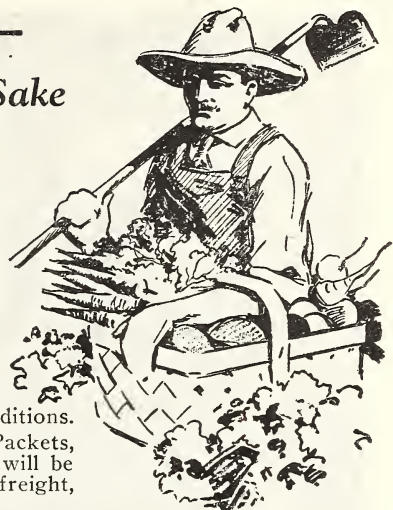
Unless noted, all other quantities larger than 2 pounds will be sent at purchaser's expense, whether by Mail, Express or Freight.

ASPARAGUS SEED

CULTURE. Seed of asparagus should be sown early in the spring, in drills 2 inches deep. When seedlings are 1 or 2 years old, transplant (for the family garden) 12 to 18 inches apart in the row, and cover crowns to a depth of 2 inches. For commercial usage plant in rows 4 to 5 feet apart, placing crowns 8 to 10 inches apart in the row. One ounce to 50 feet of drill.

Washington. (2 years.) The result of long experimentation by the U. S. Department of Agriculture. Combines strong quick growth, extreme size, uniform development of stalks, dark green color and delicious flavor; with its greatest distinguishing quality—that of being rust-resistant. Those who grow asparagus in quantity for marketing, will appreciate this feature. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 65 cts., 1 lb. \$2.00.

ROOTS of Asparagus are offered on the last pages of the Fruit Department.



BEANS

PRICE OF BEANS. Prices quoted for pkt., $\frac{1}{2}$ -lb., lb., and 2 lbs., are postage paid by us. If ordered by express or freight, in these quantities, deduct at the rate of 10 cts. per lb.

GREEN PODDED BUSH BEANS

Early Bountiful. (42 days.) Very good looking, hardy and very vigorous plants, practically rust and mildew proof. One of the very first beans available in spring, prolific at all times, and among the latest to quit production in the fall. The pods are uniform, extra long, broad, meaty although flat, absolutely stringless and continuously brittle; of rich green color and distinctive flavor. As shell beans, they are of an unusual quality, either green or dried. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts. 10 lbs. or more by express at 25 cts. per lb.

Black Valentine. (40 days.) Vigorous; very long and slender round pods of quality. For very early planting it stands cold and damp soil better than any other sort. Absolutely rustproof, seed black. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts. 10 lbs. or more by express at 20 cts. per lb.



The S. & H. Co. VEGETABLE SEED COLLECTION "A"

A STANDARD GARDEN COLLECTION

1 Packet Beans, Imp. Golden Wax.....	\$0.10
1 Packet Beet, Crimson Globe.....	.05
1 Packet Cabbage, All Head Early.....	.10
1 Packet Carrot, Danvers.....	.10
1 Packet Celery, White Plume.....	.10
1 Packet Corn, Golden Bantam.....	.10
1 Packet Cucumber, Davis Perfect.....	.10
1 Packet Lettuce, Big Boston.....	.10
1 Packet Muskmelon, Early Hackensack.....	.10
1 Packet Watermelon, Cole's Early.....	.10
1 Packet Onion, Yellow Globe.....	.10
1 Packet Parsley, Moss Curled.....	.05

1 Packet Parsnip, Hollow Crown.....	.05
1 Packet Peas, Nott's Excelsior.....	.10
1 Packet Radish, Scarlet Globe.....	.10
1 Packet Salsify.....	.10
1 Packet Spinach.....	.05
1 Packet Squash, Mammoth Yellow Bush.....	.10
1 Packet Tomato, Greater Baltimore.....	.10
1 Packet Turnip, Purple Top White Globe.....	.05

20 Packets Value **\$1.75**

**A Complete Vegetable Garden
Delivered to your door . . only \$1.00**

Nothing tastes as good as vegetables from your own garden.



Stringless Green Pod Bush Beans

GREEN PODDED BUSH BEANS—Continued

Red Valentine. (40) A standard early variety. Pods of medium length, round, fleshy, tender and of good flavor; seed long, of medium size. Pkt., 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts. 10 lbs. or more by express at 20 cts. per lb.

Red Kidney. (60) Large flat pods well-filled with red, kidney-shaped beans. One of the best varieties for use as a dry cooking bean, always in demand. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts. 10 lbs. or more by express at 20 cts. per lb.

Stringless Green Pod. (40) One of the earliest and hardiest, producing an abundance of handsome round pods, many of which measure 6 inches in length, practically stringless. In addition to the excellence of its eating quality, and stringlessness, this variety has a long bearing season, which makes it very desirable for the small garden. Seed dark brown. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts. 10 lbs. or more by express at 25 cts. per lb.

YELLOW PODDED or WAX BUSH BEANS

Davis Kidney Wax. (40 days) This returns a large yield of handsome pods which are long, flat, clear waxy white and do not stain in canning. One of the best sorts for market as it ships well, delivering in good condition. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts. 10 lbs. or more by express at 20 cts. per lb.

Early Wonder Wax. The very earliest wax bean, becoming edible in 35 days, and bearing bountifully during a long season, apparently regardless of whether it is wet or dry. Makes a strong plant 18 inches high with even greater spread, always well set with pods 5 to 7 inches long. These are flat, plump, meaty, and of a tender brittleness; their clear yellow color seldom scarred by rust. Pkt. 10 cts., $\frac{1}{4}$ lb. 15 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts.

Improved Golden Wax. (40 days.) Pods are of good length, oval and quite thick, entirely stringless; of clear, waxy, golden yellow color, and fine buttery flavor. Seed white, mottled brown. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts., 10 lbs. or more by express at 22 cts. per lb.

Pencil Pod Black Wax. (40) An extremely prolific cropper, of true bush form, maturing early; beans measure 6 to 8 inches long, only slightly curved and of pencil thickness; brittle, stringless, a bright golden color. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts.

Round Pod Kidney Wax. (40 days.) Two popular characteristics of this bean are its freedom from disease and the abundance of large, lemon yellow, fleshy round pods which hang thickly on the plants, of fine flavor, stringless and free from rust. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts. 10 lbs. or more by express at 25 cts. per lb.

Wardwell's Kidney Wax. (48 days.) One of the most popular in this section, the large size of the pods making it especially desirable for either home or market use. The strong vines yield abundantly, pods long, flat, broad and of a delicate waxy yellow, brittle and of the best quality. Seed white, mottled with dark around the eye. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts. 10 lbs. or more by express at 25 cts. per lb.

FIELD BEANS

White Marrow. (60 days.) Extensively grown for sale as a field bean for winter use. Seeds large white, twice the size of the Navy or Pea bean. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts. 10 lbs. or more by express at 18 cts. per lb.

Navy. (60) A sure cropper, productive, and best quality; much desired for baking. Dry beans, small, oval, white; green podded. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts. 10 lbs. or more by express at 18 cts. per lb.

Culture of Beans

A light loam is best. Plant as soon as the ground has become thoroughly warm, in rows from two feet for hand cultivation, to three feet apart for horse cultivation, and every two weeks for a succession. Cultivate thoroughly and often, keeping a mulch of loose soil at all times but when in bloom, cultivate shallow, as deep cultivation at this time causes many blossoms to drop, decreasing the yield. One pound for 100 feet of row, 45 to 100 pounds per acre.

FOR INOCULATION SEE NITRAGIN OFFER ON PAGE 139.

We pay postage on all seed orders except as otherwise noted.

POLE or RUNNING BEANS

Plant from 10th to 15th of May in this latitude. The soil should be well enriched. Set poles 4 feet apart each way and plant six to eight beans around them; when well started, thin to three plants to each hill. The pole Limas are separately offered under "Lima Beans."

Early Golden Cluster Wax. (72 days.) The finest of all the wax podded pole beans. It bears profusely its large, flat, golden yellow pods in clusters of three to six from bottom to top of pole, and continues in bearing long. Seed white. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts. 10 lbs. or more by express at 25 cts per lb.

Old Homestead or Kentucky Wonder. (65 days.) An excellent green podded variety; enormously productive, the long pods hanging in great clusters along the entire vine. Seed dark brown. Of varying pod length, but in their best young, brittle and most delectable state will average 7 to 8 inches. Not only the first Pole Bean to bear, but usually the last as well, an all season provider. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts. 10 lbs. or more by express at 25 cts. per lb.

Lazy Wife. (70 days.) One of the best for snaps of the later green podded Pole Beans. Pods borne in large clusters, are long, broad, thick, fleshy. Dry beans are excellent for winter use. Seed white. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts.

Horticultural or Wren's Egg. (75 days.) This is the corn field favorite, the so-called October Pole Bean. Does equally as well planted in corn as on poles. Bean large, round, pink striped with red, of excellent flavor, used in pods or shelled, pods light green striped with red. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts.

POLE LIMA BEANS

Being tender and liable to rot in the ground if it is cold and wet, must be planted later, say about the last of May or first week in June. Plant about 1 inch deep, with the eye down. Seed is very large, flat and usually white.

Set poles 3 feet apart at time of sowing. Be liberal with seed, but thin to three or four plants.

Carpinteria. A new early variety which bears abundantly, with three to five

large, meaty beans to the pod. These are of rarest flavor and quality, retaining their distinguishing green color even after being dried. We would say this sort is one of the very best. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts. 10 lbs. or more by express at 30 cts. per lb.

Early Leviathan. (75 days.) Very productive, pods contain from three to four large tender beans of the best quality and fine flavor. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts. 10 lbs. or more by express at 25 cts. per lb.

Giant Podded. (90 days.) A prodigious cropper, with great clusters of well filled pods, both pod and beans very large. A little earlier as a rule than King of the Garden; of excellent quality. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts. 10 lbs. or more by express at 25 cts.

King of the Garden. (90 days.) A vigorous grower bearing profusely. The beans are of good size and have a flavor unsurpassed by any variety. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts. 10 lbs. or more by express at 25 cts. per lb.

BUSH LIMA BEANS

Identical with the pole varieties in size of pods. Plant in 3-foot rows, 4 inches apart; or in hills, 2 feet apart in the row.

Burpee Improved Bush Lima. (85 days.) Excellent flavored beans, borne on large vigorous plants. Extremely prolific, hanging in enormous clusters. Pods contain from four to six beans of greenish white color. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts. 10 lbs or more by express at 28 cts. per lb.

Fordhook Bush Lima. (80 days.) This is of an ideal bushy growth with stiffly erect stem and branches. It is an enormous bearer of plump well-filled pods which are borne in clusters of four to six, all ready for use at the same time. The beans are large, thick, and of most excellent quality. Pkt. 10 cts., $\frac{1}{2}$ lb. 30 cts., lb. 50 cts., 2 lbs. 90 cts. 10 lbs or more by express at 30 cts. per lb.

Kentucky
Wonder
Pole
Bean

Burpee
Improved
Bush Lima

If there is any vegetable more delicious than Lima Beans, we don't know what it is.

BEETS

Beets should have a rich loam soil. In preparing your seed bed, pulverize as fine as possible. Cultivate thoroughly and often. Sow as early as ground can be worked, in drills from 12 to 18 inches for hand culture, to 2½ feet for horse cultivation; cover to a depth of 1 to 2 inches. Continue sowing every 10 days for a succession. Thin to a stand of 4 to 6 inches apart in the rows. One ounce to 60 feet of drill; 5 to 6 pounds per acre. PRICE, unless noted: Pkt. 5 cts., oz. 15 cts., ¼ lb. 35 cts., lb. \$1.25.

Crimson Globe. (45 days.) Of fine shape, with a smooth and attractive dark red skin and small tap root. The interior is a rich deep crimson and fine grained in texture.

Crosby's Egyptian. (40 days.) Improved Early Egyptian; thicker, smoother, better color and quality.

Detroit Dark Red Turnip. (50 days.) Globular; smooth, dark blood red; flesh bright, tender, sweet.

Early Model. (45 days.) Early, of perfect globe shape, and fine quality. The beets are always smooth, of the deepest blood red color and quickly attain a good size.

Eclipse. (45 days.) Early, extra fine quality, smooth, round; skin and flesh red, fine grained and sweet. Pkt. 5 cts., oz. 15 cts., ¼ lb. 35 cts., lb. \$1.25.

Early Wonder. (40 days) Illustrated in color on back cover. Suitable for either spring or fall sowing. Roots are globe shaped and uniform, small tops; skin and flesh very deep red. Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts., lb. \$1.50.

Half Long Blood. (65 days.) Best for winter use.

Swiss Chard Lucullus. The plants grow to a height of 2 to 2½ feet. The stalks are heavily ribbed, and from 10 to 12 inches long below the leaf; are delicious when cooked and served in the same manner as asparagus. The leaves are large, heavily crumpled or "savoyed," crisply tender and of fine flavor. The leafy portion of the foliage is cooked and served in the same manner as spinach. Pkt. 5 cts., oz. 15 cts., ¼ lb. 35 cts., lb. \$1.25.

SUGAR BEETS and MANGELS

Thinned to 8 to 12 inches in the row. Thorough and frequent cultivation is essential when young, but discontinue as soon as the roots mature, indicated by drying of leaves. Store in earth covered heaps.

Giant Half Sugar Rose. (95 days.) White, with a rosy top; flesh pure white.

Golden Tankard. (95 days.) A golden fleshed mangel; roots half long and very large.

Klein Wanzleben. (65 days.) 100 tons have made 18 tons of sugar.

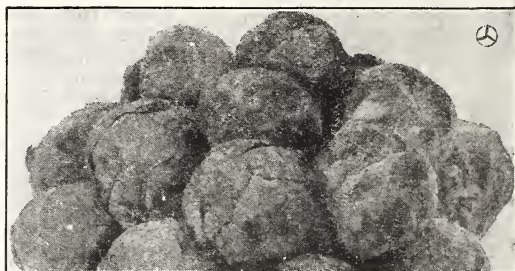
Mammoth Long Red. (115 days.) Long, smooth roots of large size.

PRICE OF MANGELS—Oz. 10 cts., ¼ lb. 20 cts., lb. 65 cts. 10 lbs. or over by express at 50 cts. lb.



Crimson Globe Beets

BRUSSELS SPROUTS



Highly esteemed for boiling during the late fall and winter months. The sprouts resemble miniature cabbages, growing closely to the stalk of the plant, being produced in abundance from tip to ground level. Quality and flavor much improved by frost. Seed should be sown thinly in drills early in June, the plants reset when 6 inches high into rows 3 to 4 feet apart, 18 to 24 inches apart in the row.

Improved Dwarf. (125 days.) Grows 1½ feet high, and is very productive. Pkt. 10 cts., ½ oz. 20 cts., oz. 35 cts.

CAULIFLOWER



Early Snowball Cauliflower

CULTURE. Cauliflower are partial to a rich fibrous loam well charged with humus. An occasional light dressing of nitrate of soda and potash are beneficial. Make the soil as fine as possible for every transplanting, and do not allow the young plants to become checked at any time for want of water. For spring and early summer use, sow in January or February in hotbed, and transplant to cold frames 2 or 3 inches apart, when sufficiently large; and to the garden 24 to 30 inches each way, as soon as the ground is warm enough. For late autumn crops sow in the early part of June, and transplant in July. When the heads are formed, draw the leaves up over them and tie with cloth or raffia, to blanch the heads.

Danish Giant or Dry Weather. (100 days.) A late variety and a splendid drouth resister. Heads are large and while not so close as Snowball or Erfurt it makes a splendid pickling type. Sure header in even the driest weather. Pkt. 20 cts., ¼ oz. 75 cts., ½ oz. \$1.35, oz. \$2.50.

Early Snowball. (90 days.) Very early, and one of the surest to head. If seed is sown March 1st, large-sized heads will be produced early in June. Its dwarf habit of growth renders it one of the best for forcing under glass. Valuable for late planting also. Pkt. 20 cts., ¼ oz. 75 cts., ½ oz. \$1.35, oz. \$2.50.

When you order from S. & H. you get the best.

CABBAGE

Copenhagen Market

CULTURE. The early varieties should be sown very early in the spring in hot bed or later in open ground. Plant out 18 inches by 2 feet apart. The late varieties are usually sown by the last of May and the plants set out in July, in rows 3 feet apart and 2 feet apart in the rows. One ounce will produce 3,000 plants. One-quarter pound of seed in beds enough for an acre.

All Head Early. (90 days.) Of the flat head type. The earliest of all large cabbage. They are solid. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.75.

American Drumhead Savoy. (110.) The Savoy excels all other cabbages in flavor, and this is the best of the Savoy. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

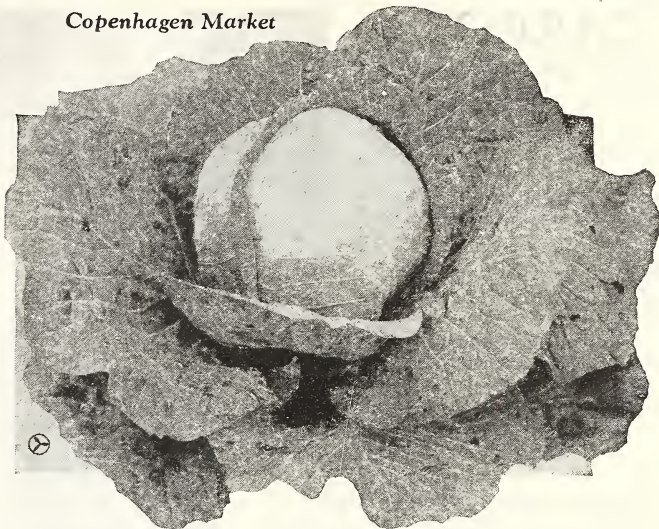
Copenhagen Market. (75 days.) Produces magnificent heads similar to Danish Ball Head, weighing from 8 to 10 pounds. We unhesitatingly recommend this variety to commercial grower and home gardener alike, as worthy of extensive planting. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Danish Ball Head. (120 days.) Dutch Winter or Hollander. The heads are of medium size, solid and deep, averaging in weight nearly 8 pounds. Their quality is superior and they are just as solid in spring as when put away in the fall. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.75.

Early Jersey Wakefield. (75 days.) This is the hardest and the hardest heading of the extra early sorts, and most Northern gardeners depend upon it for their first crop. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 30 cts., $\frac{1}{4}$ lb. 85 cts., lb. \$3.00.

Eukhuizen Glory. (80 days.) An excellent early variety that has become very popular with the market gardeners. Heads are medium sized, dark green color, solid and heavy. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Mammoth Rock Red. (110 days.) By far the best, largest and hardest heading Red Cabbage ever introduced. The plant is large, with numerous spreading leaves, and the head large, very solid, deep red inside as well out. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00.



Premium Flat Dutch. (110 days.) A good cabbage for late use. It possesses all the good qualities of the late Flat Dutch, and is a sure header. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.75.

Sure Head. (100 days.) Makes a solid large head, with few outer leaves. A strong, vigorous grower. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.75.

CHINESE CABBAGE

CULTURE. For early use sow in hot bed in February or March. When 4 inches high transplant, if the weather is suitable, 1 foot apart in $2\frac{1}{2}$ -foot rows. For late or main crops, sow in August or early September.

Pe Tsai. While not a cabbage, it is closely related, both belonging to the Brassica family. When well grown, makes a head 15 inches long and 4 to 5 inches in diameter, blanching to a beautiful white. May be eaten as a salad or is delicious when cooked in the various ways cabbage is served. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00.



Chinese Cabbage



American Drumhead Savoy



Inoculation with Nitragin is highly beneficial to the germination, development and quality and quantity of yield. Commercial vegetable growers all use it. Use with Alfalfa, all Clovers, Soy Beans, Cow Peas, Vetch; Beans, Peas; and Sweet Peas.

Our tested seeds make gardening easy.

CARROTS

CULTURE. Cover the seed about $\frac{1}{2}$ inch, pressing the soil firmly. Sow as early in spring as the ground can be worked; and for late crop from May 1st to June 1st, in drills 15 inches apart. Thin to 3 or 4 inches apart in row. $2\frac{1}{2}$ lbs. of seed will sow an acre, or 1 oz. to 200 feet of drill.

Chantenay. (60 days.)

Uniform shape, intermediate in size, deep golden orange; fine for table use. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Danvers. (75 days.) A smooth carrot of good size. One of the best for stock feeding. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Guerande or Ox Heart. (75 days.) A variety good either for family use or market, and profitable for feeding. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Improved Long Orange. (75 days.) A long variety. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Improved Nantes. (65 days.) Half-long, almost cylindrical, blunt end and very small tap root. Flesh fine grained, with very little core, the skin orange, and very smooth; one of the best table sorts. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

CELERY

3,000 to 5,000 plants from one ounce of seed.

CULTURE. Sow in open ground as soon as the soil can be perfectly worked; roll or firm the lightly covering soil to retain moisture, as the seed is slow to germinate. Sowing in rows 10 to 12 inches apart is preferable to broadcasting; this means allowing cultivation to be kept up.

Transplant in July to a previously prepared bed made considerably richer than seed bed, 6 to 8 inches apart in the row. Single rows should be 4 feet apart; but twin-rows 10 inches apart (doubling returns with the same labor) should skip 6 feet.

Columbia. (110 days.) An early maturing sort, of medium height, but very stocky and heavy; the foliage a distinct light green tinged yellow. The stalks are thick, almost round, a rich yellow tint, unsurpassed in quality. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.20, lb. \$3.75.



Danvers
Carrot

Easy Blanching. (110 days.)

Crisp and delicious, attractively colored. Plants set out in June are fully matured and ready for use early in September. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.00.

Golden Self-Blanching. (110 days.)

Rarely, if ever, pithy; and of a rich golden yellow color, self-blanching. Our seed is genuine French grown, of finest quality, in greatest demand among market gardeners. Pkt. 10 cts., $\frac{1}{2}$ oz. 65 cts., oz. \$1.00,

$\frac{1}{4}$ lb. \$3.50.

Giant Pascal. (135 days.) For second early and midwinter use. The stalks are large, thick, solid, crisp and of a rich nutty flavor, free from bitterness. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

White Plume. (120 days.) Its eating qualities are excellent; its white feather-like foliage a real table ornament. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.00.

Winter Queen. (140 days.) This is one of the finest varieties for winter use. Makes a stocky, vigorous growth, blanching readily to a beautiful creamy white. Hearts are large and solid, very crisp and tender. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.00.

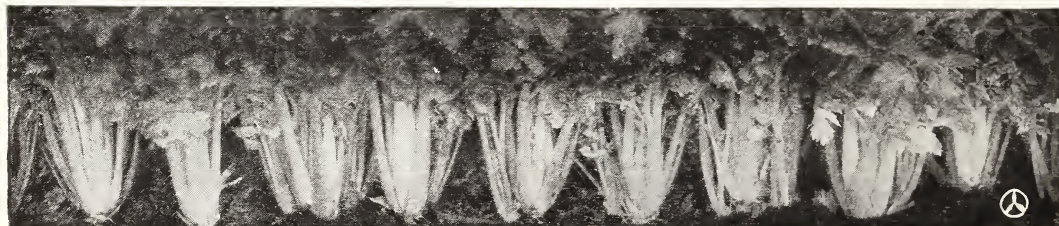
Celery Seed for Flavoring. Excellent to use for flavoring soups, pickles, etc., although germination is too poor for use as seed. Oz. 10 cts., $\frac{1}{4}$ lb. 25 cts., lb. 65 cts.

Celeriac Giant Prague. (125 days.) The root is turnip-shaped, sweet and tender, and may be cooked like turnips or eaten like radishes; used largely for seasoning meats and soups. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. 75 cts.

COLLARDS

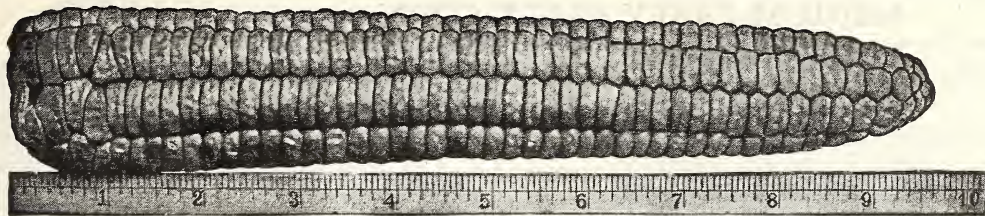
Georgia. Forms a loose head of cabbage-like leaves which are largely used for greens. May be used as soon as large enough, but are improved with frosts. Sow seed in open ground, and when well started thin to 15 inches apart in the row. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts.

ARMOUR'S Lawn and Garden Grower is a good fertilizer for gardens. Put up in handy bags, easy to apply, effective. See Page 140.



Giant Pascal Celery

This catalog is the only agent we employ.



Barden's Wonder Bantam—illustrated to show the increased length of ears.

SWEET CORN—Early and Tender

Please note that prices quoted for Pkt., $\frac{1}{2}$ lb., lb. and 2 lbs. are postage paid by us. If ordered by express or freight, in these quantities, deduct at the rate of 10 cents per lb.

EXTRA EARLY VARIETIES

Golden Bantam. (60 days.) Illustrated in color on back cover. Whatever the reason, you all know it for a fact that this is the most popular sweet corn ever used. "Golden Bantam" is a household word. Older, contemporaneous and future varieties must compare with it for rating. Matures with the earliest and by making a planting every two weeks, may be had from early summer until frost. Kernels are a rich golden yellow, tender, with a flavor exceptionally rich and pleasing. Ears are eight rowed, 6 to 7 inches long, just the right size for serving on the cob. Sweetest of all corns. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 65 cts. 10 lbs. or more by express at 20 cts. per lb.



Barden's Wonder Bantam. (60 days.) This improved type exemplifies Golden Bantam at its best—early, richly colored, plump, juicy and distinctively flavored; but going further towards perfection from the Marketer's and Canner's standpoint, Barden's Wonder produces higher up on taller stalks (5 to 6 feet); ears much longer (8 to 10 inches long), thus greatly increasing the tonnage per acre and consequent profit, at no sacrifice of earliness or Bantam quality. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts.

Extra Early Adams. (52 days.) Not a sweet corn, but is so hardy that a planting may be made before it is safe to plant the sweet varieties. Roasting ears may be had extremely early and are of good quality. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts.

Howling Mob. (65 days.) This is a very popular variety. It is the largest eared of all the early sorts and usually produces two ears to the stalk. Ears from 7 to 9 inches long, well protected with husk, kernels large and pure white. A fine variety for market. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 65 cts. 10 lbs. or more by express at 20 cts. per lb.

Kendel's Early Giant. (65 days.) Early, yet the ears grow to a remarkable size, measuring 8 to 10 inches in length, with usually twelve rows to the ear. Kernels are pure white and of splendid eating qualities. This variety is a prime favorite with the market gardener and is an excellent sort for the home garden. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 65 cts.

Mammoth White Cory. (65 days.) Large ears with twelve rows of perfectly formed kernels. The grains are large, pure white and of excellent quality. For an early pure white sugar corn this old favorite is unsurpassed by any. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts.

CULTURE

Plant in hills 3 feet apart each way, or in 4-foot rows with hills a foot apart. Cover only a half inch; and thin out to three plants to a hill.

One pound plants 150 hills; 8 to 12 pounds per acre; in drills or broadcasted for fodder 20 to 50 pounds per acre.

Golden Bantam



"Corn on the cob" is sweetest from your own garden.

MEDIUM EARLY SWEET CORN

Bantam Evergreen. (70 days.) Bantam Evergreen is the result of a cross between Golden Bantam and Stowell's Evergreen. It has inherited all the good qualities of both parents. It is as sweet as Golden Bantam, the same beautiful color, but in addition has an ear nearly as large as Stowell's. The kernels are deep grained, plump, a beautiful cream color at the eating stage. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts.

Country Gentleman. (70 days.) This is sometimes known as shoe-peg from the small peg-like kernels, irregularly placed on the cob. Medium sized ear, with small cob, giving great depth to the kernels. The quality of this variety is fine and is preferred by some to all others. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs., 65 cts. 10 lbs. or more by express at 20 cts. per lb.

Early Evergreen. (70 days.) This variety is about ten days earlier with nearly as large an ear as the Stowell's, and equal to it in every other respect. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 65 cts.

LATE SWEET CORN VARIETIES

Black Mexican. (75 days.) One of the most sugary. The grains when first perfected are pure white, and at their best. They then become dark, though still retaining their sweetness. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts.

Stowell's Evergreen. (80 days.) The old popular variety. Hardy and productive, tender and sugary, remaining a long time in a condition suitable for eating. A good sort to plant for fodder, as it makes a rank growth of heavy forage. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 65 cts. 10 lbs. or more by express at 18 cts. per lb.

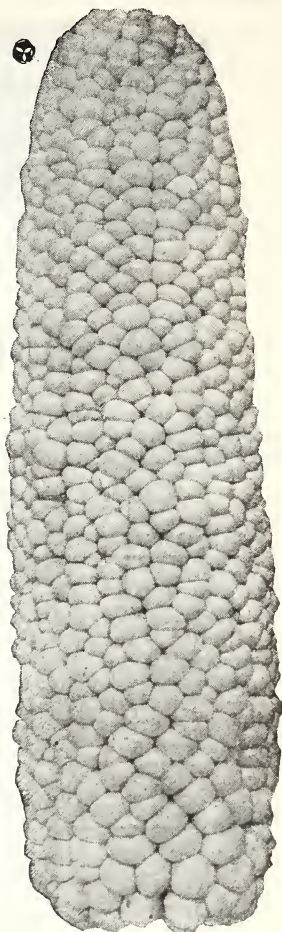
SWEET CORN FOR FODDER

There is nothing better for green-feed or curing for forage than Sweet Corn. Cattle highly relish it and keep in fine condition when fed upon it. Dairy cows who receive a regular ration of corn-fodder give an abundance of milk. Also excellent for soiling. Sow thickly in drills, or broadcast at the rate of 2 bu. per acre. 10 lbs. or more by freight or express at 10 cts. per lb.; 100 lbs. at 8 cts. per lb.

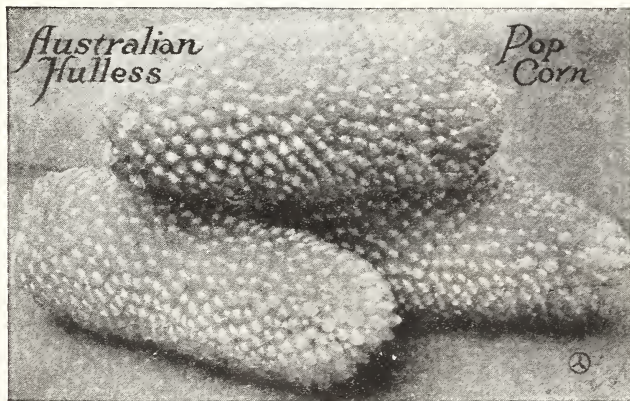
Guarantee of Genuineness

We exercise great diligence and care to have all of our seeds true to name, and hold ourselves in readiness, on proper proof, to replace free of charge all Seed that may prove untrue to name, or refund the amount paid. It is mutually understood and agreed to between the purchaser and ourselves, however, that our guarantee of genuineness shall in no case make us liable for any sum greater than that originally received for said Seeds that prove untrue.

(Signed) THE STORRS & HARRISON CO.



Country Gentleman



POPCORN

Sow in rows 3 feet apart soon as beans can be planted, using more than one row, to insure polinization, covering 2 to 3 inches deep with fine soil. Thin the plants to stand 10 or 12 inches apart in the row. The ears should be allowed to dry out thoroughly before attempting to pop.

Australian Hulless. Variously known as "Tom Thumb" or "Bumble Bee" popcorn, distinguished by an absence of hull or shell when popped. Dwarf growing, but a heavy yielder of short, chunky ears. The kernels are pearly white, unusually long and slim, of splendid popping quality and appealing flavor.

Queens Golden. Stalk 5 to 6 feet; two or three large ears each. Kernels rich yellow but pop out pure white over an inch in diameter.

White Rice. Three or four short ears, kernels long and pointed resembling rice in shape as well as its pearly white color. A splendid popper.

All Popcorn: Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 10 lbs. or more by express at 15 cts. per lb.

Order seeds early; they will keep till planting time.

CUCUMBERS

Cucumbers succeed best in rich loamy soil. As soon as the weather becomes warm and settled, plant in hills 4 to 6 feet apart each way, with 10 to 12 seeds in a hill; cover one-half inch deep. Air slaked lime or "Slug Shot" sprinkled on the plants every few days as soon as they are up will protect them from the striped beetle. When all danger from insects is past, thin out plants, leaving 3 or 4 of the strongest to each hill. The fruit should be picked when large enough, otherwise it destroys their productiveness. One ounce to 50 hills. Two to 3 lbs. per acre.

Arlington White Spine. (55 days.)

Much improved by careful selection and much superior to the old sort. It is a rich green in color and is very productive. One of the best varieties for forcing, equally good for outdoor planting. Often sown mixed with Long Green for assorted pickles. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

Cool and Crisp. (65 days.) Fruits are straight, long, slim and even, a healthy dark green. Very productive, and by reason of its uniform shape, makes one of the best pickling sorts, also excellent for slicing. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50.

Davis Perfect. (50 days.) A first-class variety for forcing under glass; also for outdoor culture, and shipping. The color is a dark glossy green, long, slim in shape. It is tender and of exceptionally good flavor. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50.

Early Fortune. (52 days.) For a good all-round cucumber this distinctive variety is the finest yet introduced. The rich dark green fruits when matured at the slicing stage average $7\frac{1}{2}$ to 8 inches in length and retain their color remarkably long. The flesh is firm, with a small seed cavity, making it a good shipping and market as well as pickling sort, producing an enormous quantity. The vine growth is very vigorous, and the large leaves, very resistant to disease. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Early Cluster. (50 days.) Vines vigorous, producing the crop near the roots and in clusters. Fruits short, early and of good shape for pickling. Very prolific. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Everbearing. (65 days.) The young fruit is symmetrical, deep in color and crisp. It is of medium size and makes a fine pickle. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50.

Improved Chicago Pickling. (68 days.) Very popular with the market gardeners. Fruit is of medium length, pointed at each end with large



Cucumbers from S & H Reliable Seed

and prominent spines, color deep green; extremely prolific. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

Improved Long Green. (65 days.) Slicing and pickling. Of excellent quality, dark green, firm and crisp. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.50.

Lemon Cucumber. (55 days.) Shaped and colored like a lemon, with fine bitter-free flavor. May be eaten green, but is best just as it is turning yellow. Makes excellent pickles, but excels for slicing and salads. Pkt. 10 cts., oz. 25 cts.

The New Longfellow. A short description for a long cuke. The fruit averages 12 to 14 inches in straight length by about $2\frac{1}{2}$ inches diameter, and is borne early and in real abundance despite its great length. One of the very few cucumbers which, when grown out doors, resembles the hot-house type; holding its dark green color until the last, and being in all other respects equally desirable. Pkt. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.25.

West India Gherkin. Grown exclusively for pickles, to be picked when young and tender. Oval, 2 to 3 inches long, and thickly studded with heavy spines. Pkt. 10 cts., oz. 25 cts.

Windermoor Wonder. A notable new variety both profitable in the field, and an ideal forcing type. The fruits are firm, comparatively seedless, of uniform slim shape 12 to 16 inches long, persistent dark green color, and excellent flavor. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.25.



The New Longfellow

Our Cucumbers are ideal for relishes and pickling.

CRESS

Pepper Grass—Extra Curled. Extensively used as a small salad with lettuce. The leaves while young have a warm pungent taste. Sow rather thick in shallow drills, and at short intervals during the season. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts.

DANDELION

CULTURE. (55 days.) Sow early in spring in drills 18 inches apart; thin out and cultivate; they will be fit for cutting the next spring. For roots, sow in September, and cultivate well; they will be fit to dig next October. Our seed is from carefully selected thick-leaved stocks. Pkt. 15 cts., $\frac{1}{2}$ oz. 40 cts., oz. 75 cts.



Egg Plant

EGG PLANT

CULTURE. Sow in hot bed early in spring; transplant $2\frac{1}{2}$ feet apart each way after weather becomes settled and warm. If no hot bed is at hand, plants may be started in pots or boxes. The potato beetle is very fond of the plants. Paris green applied same as to potatoes will keep them in check. One ounce to 1,000 plants.

Black Beauty. (140 days.)

The fruits are broad and thick, of attractive form and finest flavor; rich purplish black, entirely free from spines or thorns.

Improved Large Purple. (125 days.) Fruit remarkably large, often measuring 12 inches in depth and 9 inches in diameter, weighing 5 to 6 pounds. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.

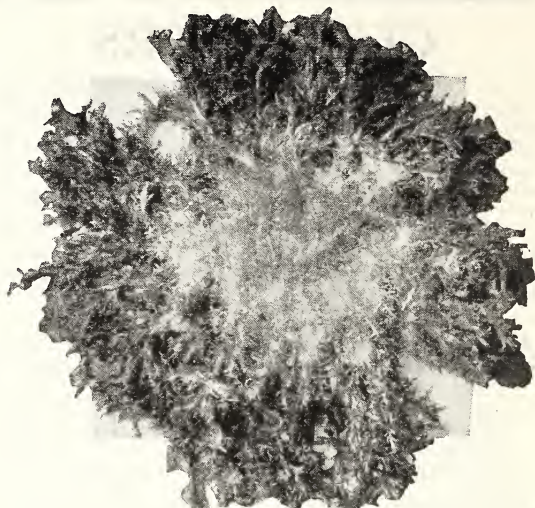
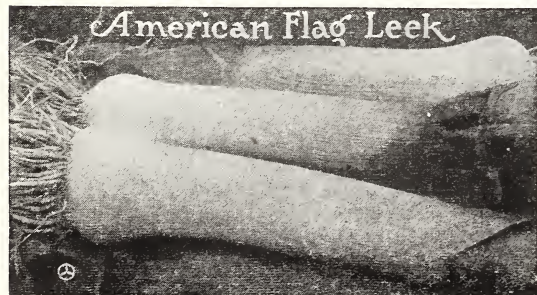
ENDIVE

A fall and winter salad. For early use sow in April; for late or main crop, in June or July, in drills 14 inches apart; when 2 or 3 inches high thin to 1 foot apart in the drills. When fully grown should be blanched. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts.

Large Green Curled. (40 days.) A broad leaved variety.

White Curled. (35 days.) Pale green, mid-rib yellow.

Broad Leaved Batavian. (Escarolle.) (45 days.) Good as a salad, or cooking like Kale or Mustard.



Endive, Green Curled

KALE

CULTURE. Kale is one of the hardiest of "Greens" belonging to the Cabbage family. Sow either in rows or broadcast; in early spring, for summer and fall use; August or September for spring use. One or 2 pounds to an acre. One oz. of seed should produce about 3,000 plants.

Dwarf Green Curled. (55 days.) This is the most popular variety, dwarf and very hardy, with splendidly curled leaves, tinged slightly with yellow. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts.

KOHL RABI

A turnip-rooted cabbage, the edible part being the bulb which grows on a stalk a few inches above the ground. Use before bulbs get to be more than 2 inches thick, as all varieties are tough and stringy when overgrown. It is well to remove the thick outer skin before boiling. They may be served just like turnips. **CULTURE.** The seed should be sown in the spring $\frac{3}{4}$ -inch deep in drills 2 feet apart. When the plants are a few inches high, thin to 8 inches apart. Two pounds of seed for one acre.

PRICE. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 30 cts. **Early White Vienna.** (50 days.) Dwarf, small, early; bulb handsome, firm, glossy white; the best variety for the table.

Purple Vienna. (70 days.) A fine purple type much liked for later use.

LEEK

American Flag. (70 days.) Closely allied to the Onion, it is used in soups, stews, or boiled whole and creamed; its mildness and distinctive flavor making it very popular. The entire lower portion, or neck, of the plant is used. Sow early in the spring in drills 1 inch deep and 1 foot apart. When 6 or 8 inches high transplant as deep as possible, that the neck may be blanched. One ounce to 150 feet drilled. Pkt. 10 cts., oz. 30 cts.

FERTILIZERS for LAWN and GARDEN

See Pages 139 and 140 for Fertilizers. Every garden needs NITRAGIN, the 3-in-1 Bacteria Fertilizer for Peas, Sweet Peas and Beans.

We pay parcel post on all seed orders except as otherwise noted.

LETTUCE

CULTURE. Lettuce seed should be covered very shallow to secure germination, especially the black seeded if sown under glass or in the house. For early spring use sow in September and protect through the winter in cold frames the same as cabbages, or sow in hot beds in March and transplant to open ground as soon as it can be worked. For late supplies sow in the open ground as soon as the season will permit, in rows 1 foot apart; thin out plants 1 foot apart in rows. If sown every 2 or 3 weeks to the middle of August, it may be had in perfection the entire season. One ounce will sow 125 feet of drill and produce 3000 plants.

Big Boston. (45 days.) Of the head types it is easily the leader, giving equally good results under glass or in the open. Leaves are light green and very tender. Our strain of this variety is unsurpassed. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Black Seeded Simpson. (40 days.) The leaves are thin, tender, and of a light green color; very early. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

California Cream Butter. (42 days.) A very popular variety of head lettuce. Forms a large head of a rich buttery flavor. Leaves are thick, the outer ones green, slightly tinged with brown. An easy sort to grow and ship. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Denver Market. (45 days.) An early lettuce for forcing or open ground culture. The leaves are beautifully curled and crimped. Crisp, tender and of excellent flavor. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Early Curled Simpson. Illustrated in color on back cover. A compact mass of yellowish-green leaves. Earlier than head lettuces. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Early Prize Head. (50 days.) Bright green, tinged with brownish red, of superb flavor, tender and hardy. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Grand Rapids. (38 days.) As a forcing variety for winter and early spring use this stands at the head of the list. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Improved Hanson. (45 days.) Heads large, fine form, deliciously sweet, tender and crisp, color green outside and white within. Intermediate between the loose-leaved and heading varieties (black seeds). Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.



BIG BOSTON

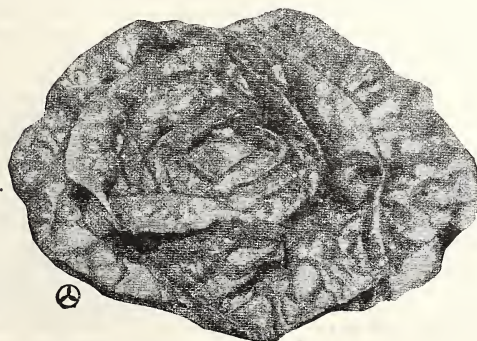
May King. (42 days.) Grown outdoors it is extremely early, maturing handsome light green heads of good size, unsurpassed in quality, and solid enough to make it a good shipper to distant markets. For forcing under glass it is most desirable. A first class all purpose variety. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

New York or Wonderful. (55 days.) The largest heading lettuce known. They attain 15 to 18 inches across, and are solid as a cabbage, heart being particularly solid, and colored a tempting light green. Unrivalled for long season; crisp, tender and delicious. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.25.

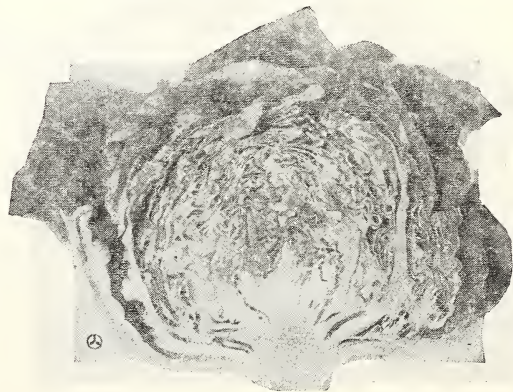
Wayahead. (42 days.) One of the very earliest and surest to head, either in cold frame or open ground; of large size, tightly folded, the interior blanched to a rich butter yellow. Quality is extra fine throughout the season. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.

White Self-Closing Cos. (55 days.) Of all celery or Cos lettuce, this is the leader. Beautiful light colored outer leaves, centers blanching to a pure white, very tender and of delicious flavor. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Turn to Page 137 for S. & H.
High Grade Lawn Grass Seed



May King



Improved Hanson

Improved Hanson is especially good for the Home Garden.

MUSKMELONS

for all Latitudes

CULTURE. Melons require rich soil. Sow ten to fifteen seeds to each hill, which should be six feet apart each way. When well started thin out to three or four strongest plants. One ounce will sow or plant fifty hills, two or three pounds to the acre.

PRICE, unless otherwise noted—Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts., lb. \$1.50.

Banana. (85 days.) Makes a long banana-like growth, very fragrant and of delicious flavor. Excellent for the home garden.

Bender's Surprise. An oval, heavily netted melon averaging ten pounds, of delicious flavor and sweetness. The deep orange flesh is very thick, the rind very firm, which helps hold them in good condition a week after picking.

Early Hackensack. (60 days.) This is an extra early, large, and productive variety. The fruits are deeply netted, flesh light green; of most excellent quality. Recommended for sections with a short season.

Emerald Gem. (80 days.) Very popular with both home and market gardeners; dark emerald green, with lighter stripes. Flesh very thick, dark salmon.

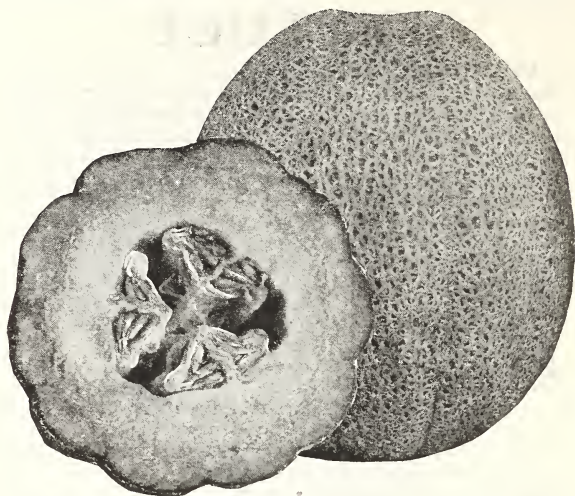
Fordhook. (70 days.) The thick flesh is very firm, salmon, very highly flavored; seed cavity small; early and continuous; heavily ribbed, medium in size, weighing about two pounds.

Hearts of Gold. (70 days.) Good to look at with its fine netting, fairly distinct ribs, uniform just-right table size, and satisfying abundance. The flesh is a luscious pink and gold, with little waste in seed cavities; flavor unexcelled; shipping profitably. (Lb. \$1.75.)

Nicholson's New Honey Ball. (90 days.) "Sweetest of the Sweet." The sugar sweet flesh of Honeydew encased within the thin, firm, perfectly round rind of Cannonball. Of medium size, hardy, prolific and long keeping, this combination of two fancy types is of exceptional quality when ripened on the vine, and commercial value. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts.

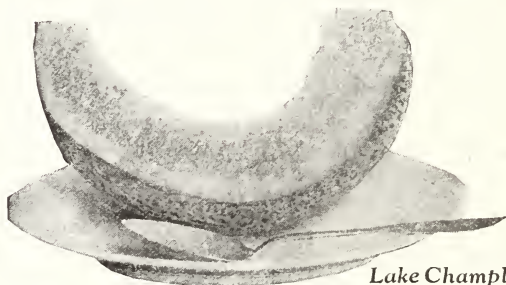


The luscious Honeydew



Hearts of Gold

Honeydew. (120 days.) Much in demand at fancy prices in the markets. They are nearly round in shape, with a hard, firm white smooth rind that enables them to be safely shipped any distance. The solid fruits may be laid away for deliberate ripening making them available for use even late into fall when other melons are gone. The flavor is unlike that of any other melon and is sweet as honey; flesh firm, light green, with few seeds. Requires rich warm soil and a fairly long growing season. Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts., lb. \$1.75.



Lake Champlain

Lake Champlain. (57 days.) Illustrated in color on back cover.

A new variety which has proved out supreme in numerous widely separated tests for hardness, earliness, productiveness and quality. The melon is medium sized, intricately netted, moderately ribbed; the flesh is deep, very sweet and melting, of a beautiful golden yellow color. The plants are very vigorous and bushy, ripening perfect fruits even under adverse conditions, far in advance of all competing varieties. (Lb. \$1.75.)

Osage. (Selected.) (75 days.) Of uniform quality, sweet and delicious. The skin is thin, dark green and slightly netted; the flesh deep salmon, of spicy flavor. A good keeper and largely planted. (Lb. \$1.75.)

Rocky Ford. (70 days.) Flesh greenish white in color, very juicy and rich and good clear to the rind. Medium, round, oval; an excellent keeper.

Tip Top. (80 days.) Very productive, medium size, nearly round, slightly ribbed and fairly well covered with shallow netting; flesh deep yellow.

We list the best melons only in this catalog.

WATERMELON

CULTURE. The best soil for growing these tempting, luscious products of the field, is sand; but well drained loam if sun-warmed, will produce excellent crops. Plant in hills 8 feet apart each way, using a shovelful of well rotted manure in each hill, thin to 6 plants to hill; after all danger of bugs is past, further thin to 4 plants. Do not plant melon seeds until the ground is thoroughly warmed. Use "Slug Shot" for bugs. One ounce plants 20 to 40 hills or 4 pounds for 1 acre.

Cole's Early. (65 days.) A choice melon for the home garden. The flesh is bright red, crisp, sweet and of fine flavor, of medium size, but solid, with thin rind. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Fordhook Early. (60 days.) An extra early melon of fine flavor and large size. Color a uniform medium green. Flesh red and sweet. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

Halbert Honey. (75 days.) The melons are 18 to 20 inches long, full and round at both ends; skin dark glossy green and flesh a beautiful crimson; excellent for nearby market as well as for home use. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

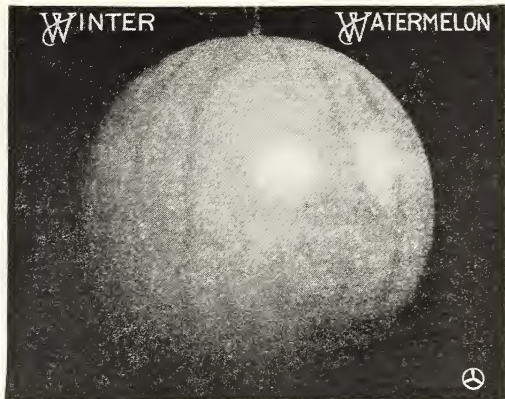
Harris' Earliest. (60 days.) The best variety for northern latitudes, largest and sweetest of all the early melons. Oval in shape, green striped with gray, attaining a weight of 20 to 30 pounds. Firm hard rind, shipping well; flesh bright red and tender, very sweet and delicious. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

Irish Grey. (90 days.) The tough rind withstands long shipping, and helps the melon to keep well; besides displaying an oval surface of attractively mottled greenish grey. The flesh is an enticing red, firm, sweet and notably free from hard centers and stringiness. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Kleckley's Sweet. (70 days.) The skin is a rich, dark green, the flesh bright scarlet, ripening close to the rind. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

The Watson. (90 days.) One of the very best melons introduced to date.

Perfect in shape, rind is dark, glossy green, very tough and thin, the flesh dark red, very crisp, no strings and most delicious. Popular, not alone for its luscious flavor and captivating inner beauty, but also for the ease in carrying, stacking and handling due to its uniform elongated shape. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.



New Winter Watermelon. A home-grown melon for your Thanksgiving dinner! Genuine mid-season form and luscious flavor carried beyond the melancholy days, when frost has bit the pumpkin and corn is in the shock. This is not a "Citron," nor a freak, but a very prolific long-keeping true watermelon type of medium size, round shape, yellowish rind with flesh bright red, crystalline, sweet as honey. Take fruits from field before frost, and store in cool cellar. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

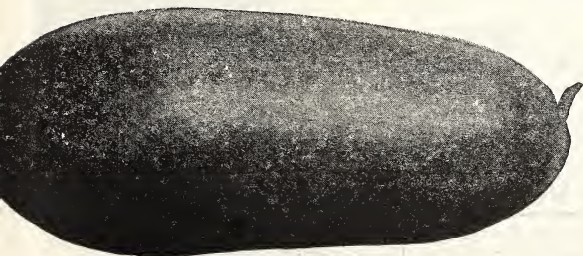
LIKES OUR WINTER WATERMELONS

Gentlemen: Have waited too long to send more of an order. Sorry. The writer has two of the Winter Watermelons raised from seed purchased from last year. No extra care has been taken of them, and they seem to be in as firm condition as when they went on my pantry shelf last Fall.

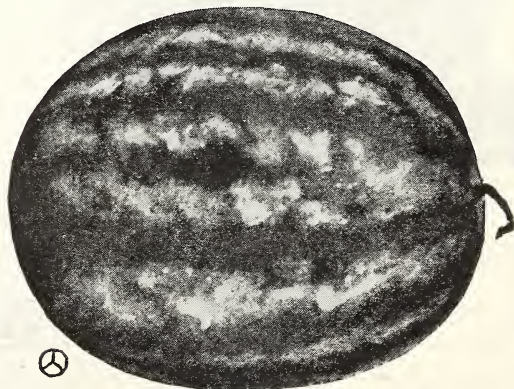
F. S. Fisher, Newport, Tennessee.
April 29, 1926.

EARLY VEGETABLES

Plant early and pluck early is the rule for gardeners who want tender vegetables. These may be planted early: Early Wonder Beets; Lucullus Swiss Chard; Early Jersey Wakefield Cabbage; Early Snowball Cauliflower; Grand Rapids Lettuce; Laxtonian Peas; Onions from seeds, White, Silverskin; Onions from sets, Yellow and White; Early Scarlet Globe Radish, and Early White Flat Dutch Turnips.



The Watson Watermelon



Harris' Earliest

Order early—plant wisely—reap abundance.



MUSHROOM SPAWN

Mushrooms are considered a great delicacy by everyone and are always in much demand at fancy prices. Many are devoting their spare time to mushroom culture and are getting big returns for their labor. Nearly everyone has some unused place that might be devoted to mushroom growing. Contrary to general belief, it is not necessary to have specially prepared equipment for this purpose, but advantage may be taken of locations already existent. They can be grown in dark rooms, caves, cellars or under greenhouse benches, where the

temperature can be maintained at from 50 to 60 degrees. They may to some extent even, be grown out of doors, in the lawn or orchard. Thus, adding at very little expense, a valuable home crop.

We furnish complete cultural directions with each order. One brick is required for 10 square feet.

Lambert's Pure Culture Spawn. A new departure in cultivation. This method insures the reproduction of a certain type, free from all inferior sorts, that will largely increase the yield and produce the very best mushrooms. 50 cts. per brick, 2 for 90 cts. By express (not prepaid), 5 bricks for \$1.50, 10 bricks for \$2.50.

FORDHOOK FANCY MUSTARD (50 Days)

For early salads sow in a medium hot bed in March, and for general crop at intervals through the spring, in rows 6 to 8 inches apart, and rather thickly in the rows. Cut it when 4 inches high.

Splendid flavor, can be cooked any time of the year just like spinach and by many is considered far superior. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

OKRA

CULTURE. Seed should be soaked before planting to insure quick and even germination; sow in rows 2 to 3 feet apart and thin to 12 to 18 inches in the row. Gather pods when young. It is delicious in soups.

White Velvet. (50 days.) A very popular variety producing long smooth white pods of excellent flavor, very prolific. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.



Fordhook Fancy
Mustard



Okra

There is good money in Mushrooms.

ONION SEED

CULTURE. A strong, deep, rich and loamy soil is most suitable, or even a black sandy loam. Muck beds well drained to the depth of 2 feet give large yields. The ground should be heavily dressed with well rotted manure, and plowed a moderate depth, taking a narrow furrow in order to more thoroughly mix the manure with the soil; if possible the plowing should be done in the fall. As early in the spring as the ground is in working order harrow it thoroughly and make as fine and level as possible; sow thinly in drills one-fourth inch deep and 14 inches apart. Keep the surface of the ground open and free from weeds but do not ridge up to the growing bulbs. One ounce will sow 100 feet of drill; 4 to 5 pounds per acre for large onions, 50 to 60 pounds for sets.

Ohio Yellow Globe.

(120 days.) One of the finest yellow commercial onions grown; of good size, true globe shape, absolutely free from any neck, a solid bulb and fine keeper. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts., lb. \$2.25.

Large Red Wethersfield (100 days.) A standard variety in the East, and the earliest maturing, productive red. Makes a large sized flat onion, deep purplish red in color. The flesh is a purplish white, moderately fine grained and strongly flavored. Pkt. 10 cts., oz. 20 cts., ¼ lb. 60 cts., lb. \$2.00.

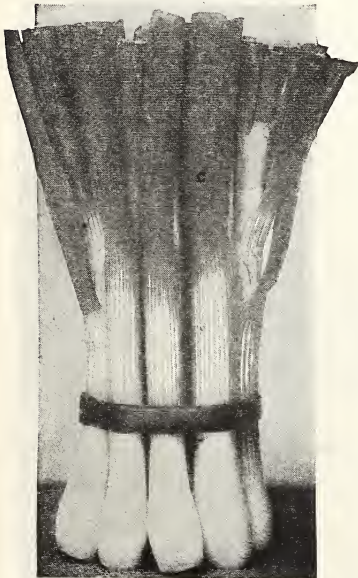
Mammoth Silver King. (80 days.) A large, flat but thick, sweet, silvery white Italian variety,

maturing very early. On account of its extreme mildness it is one of the best for salads and eating raw. To produce the largest onions transplant when the young seedlings are 3 to 4 inches high. Pkt. 10 cts., oz. 35 cts., ¼ lb. \$1.00, lb. \$3.00.

Prize Taker. (100 days.) A very large onion, hardy, productive and a fair keeper. Outside skin is rich yellow, flesh white, sweet and tender. They bottom well, are free from stiff-necks. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts., lb. \$2.25.



Ohio Yellow Globe



Onions from Sets

Southport Yellow Globe. (110 days.) A bright yellow globe, mild flavored and highly esteemed. Plants have the typical slender neck of the rigidly selected Southport strain, which insures early and dependable maturity, with good keeping quality. Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts., lb. \$1.75.

Southport Red Globe. (110 days.) An attractive globe shaped variety; matures quite early, grows large and is very productive; skin deep red; flesh fine grained. Pkt. 10 cts., oz. 20 cts., ¼ lb. 50 cts., lb. \$1.75.

Southport White Globe

(120 days.) Commands the highest market price; good shape, clear white skin. To retain the white color they should be cured in the shade. Pkt. 15 cts., oz. 40 cts., ¼ lb. \$1.25, lb. \$3.50.

White Silverskin. (95 days.) This is a small silvery white onion. Just the right size for pickling whole for which it is used almost entirely. Pkt., 10 cts., oz. 35 cts., ¼ lb. \$1.00, lb. \$3.00.

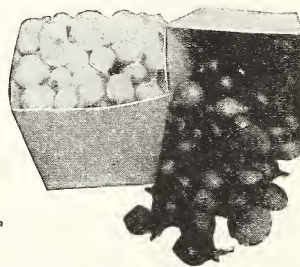
PARSLEY

Sow in drills 1 foot apart, in rich, mellow soil; soak the seed 12 hours before sowing, which should be done in early spring, as they are very slow to germinate. When 1 or 2 inches high thin out the plants to 6 inches apart in the rows. Used as a garnish for table, also in soups. Late in the fall, a few plants may be dug up and potted; set in a sunny kitchen window, they will provide fresh leaves for all winter's use.

Champion Moss Curled. (65 days.) A compact growing finely cut and beautifully curled variety, the favorite garnish. Pkt. 5 cts., oz. 10 cts., ¼ lb. 30 cts., lb. \$1.00.

Hamburg. (100 days.) (Turnip rooted.) The root is the edible portion and is extensively used for flavoring soups, etc. Pkt. 5 cts., oz. 15 cts., ¼ lb. 40 cts., lb. \$1.25.

ONION SETS



CULTURE. Onion sets should be planted out as early as the ground is dry enough to work, in rows one foot apart with sets 2 to 3 inches apart. On this basis, one pound will occupy about 100 linear feet; or plant 300 to 500 pounds to the acre. When raised from sets, the onions can be used in the

green state in June, or they will be ripened off by July. Price subject to market changes. Write for quotations on large quantities.

Ebenezer. Lb. 35 cts. By express (not prepaid), 5 lbs. or more at 20 cts. per lb.

White. Lb. 35 cts. By express (not prepaid) 5 lbs. or more at 20 cts. per lb.

Yellow. Lb. 35 cts., 5 lbs. or over by express (not prepaid at 20 cts per lb.

Grow Onions for profit—write for quantity prices.



Hollow Crown Parsnips

PARSNIP

Parsnips sliced and fried are a nutritious and always acceptable side dish at many a winter dinner; as frequent in use as the dependable old Hubbard Squash.

CULTURE. One ounce will sow 200 feet of drill; 5 pounds for one acre. Sow as early in the spring as the weather will permit, in drills 15 inches apart, covering half an inch deep. When well up thin out to 5 or 6 inches apart in the rows. Unlike carrots they are improved by frost, and it is usual to take up in fall only a certain quantity for winter use, leaving the rest in the ground until spring, to be dug as required. If cellar-stored, pack in boxes filled with slightly moist soil.

Hollow Crown or Long Smooth. (85 days.) Roots oblong, ending somewhat abruptly with a tap root; best variety for general use. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

PEPPERS

CULTURE. Sow in a hot bed in March and transplant to the open ground when the weather is favorable. They should be planted in warm, mellow soil, in rows 18 inches apart. They may also be sown in the open ground when the danger of frost is past and the soil is warm and the weather settled. Thorough and frequent cultivation should be kept up until frost; by this means you can have a continuous crop. 1 oz. will produce about 1500 plants; 3 oz. supplies an acre.

PRICE, unless noted, pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25.

Chinese Giant. (130 days.) Largest of the peppers; chunky, very thick and meaty, 4 to 5 inches across at the base and equally as long, divided into 4 sections. Fine for stuffing and for salads. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.50.

Early Neapolitan. (120 days.) The earliest large pepper, the vigorous plants heavily laden with long handsome fruits. The skin and flesh are bright red; thick-meated, sweet and mild, valuable for market gardeners and pickling establishments.

Ohio Crimson. (120 days.) A vigorous, upright plant, most productive pepper on the market; the large fruits are very mild, ripen earliest of the very large fruited sorts, and average heavier as the flesh is unusually thick. Matures a deep crimson color. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.50.

Pimento. (130 days.) Somewhat different in character from other peppers, and useful in a great many ways. It is thick fleshed, mild and sweet; smooth and glossily green at first, but maturing to bright red.

PEANUTS

Peanuts are an American institution, their delectable aroma and consumption an inevitable feature at all American outdoor sports. It may be a matter of surprise to most northern gardeners that it is not only practical but profitable to raise your own, as well as help supply your local market. The prolific tops are valuable as forage; the nuts for fattening hogs.

CULTURE. Peanuts require light rich soil well lined. Plant in the spring as soon as the ground has become warm, in rows 30 to 36 inches apart, placing the seed 6 to 10 inches apart in the row. It is not necessary to remove the hull when planting. Keep well hoed. When matured pull and hang up to dry.

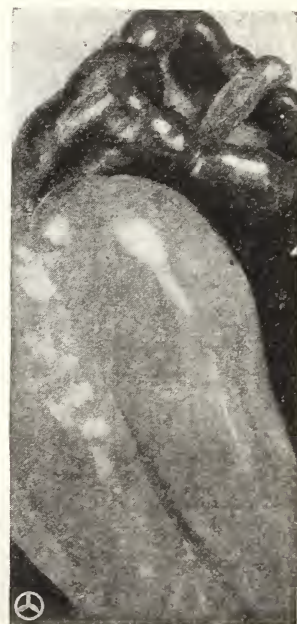
Valencia. A very desirable and productive Spanish bush type. Mild, sweet flavored, bearing 3 or 4 peas in each hull. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts.

Red Cayenne. (125 days.) A long slim pod, rather pointed and when ripe of a bright red color, extremely strong and pungent. Used for pickling and peppersauce.

Royal King. (125 days.) We believe it the best sweet pepper produced in many years; the plants unusually productive, returning an enormous yield to the acre. Exceptionally large fruited, thick and meaty, its walls more than twice as thick as those of other sorts; very mild—not the least pungent—perfectly sweet. The type is thoroughly fixed, producing uniform fruits both in shape and color.

Ruby King. (130 days.) A large and handsome variety. When ripe they are of a beautiful ruby red color, and are always remarkably mild and pleasant to taste.

Sweet Mountain or Spanish Mammoth. (120 days.) It is very large, smooth and handsome; when mature, a rich red. Flesh thick, sweet, and mild-flavored.



Royal King

We have over 1000 acres in nursery stock.

PEAS

CULTURE. Peas mature earliest in a light, rich soil; for general crop a moderately heavy soil is best. Commence sowing early varieties as soon as ground can be worked, continue for a succession every 2 weeks until June. Sow the early, second early and late varieties at the same time for a succession. One pound for 100 feet of drill; 110-175 pounds for an acre. The wrinkled varieties are more susceptible to cold, wet weather than the small round, hard sorts, hence should not be planted very early except in warm dry locations.

Brush can be used to advantage on all varieties, but the various dwarf growing sorts take care of themselves very well without. If brush is not available, chicken wire is the best substitute for use with the taller growing kinds.

Price of Peas—Price quoted for Pkt., ½ lb., lb., and 2 lbs., are postage paid by us. If ordered by express or freight, in these quantities, deduct at the rate of 10 cts. per lb.

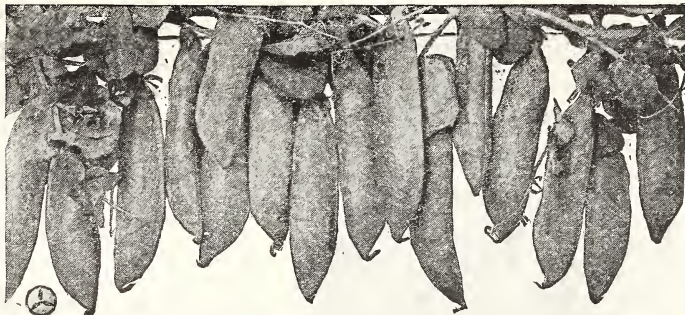
EXTRA EARLY PEAS

These earliest bearing varieties can often be planted early in March; and their early cropping may be taken advantage of to use your lightest strip of soil. The later types need the heavier soil which retains moisture under the hot sun.

Alaska. (45 days.) An extra early hardy pea. Pods of perfect shape, well filled with smooth peas of unrivalled quality. Seed blue. Height, 2½ feet. Pkt. 10 cts., ½ lb. 20 cts., lb. 35 cts., 2 lbs. 65 cts. By express, 10 lbs. or more at 22 cts. per lb.

American Wonder. (55 days.) An early wrinkled pea, growing from 9 to 12 inches high, and producing well filled pods of the finest flavor. Pkt. 10 cts., ½ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more, 25 cts. per lb.

Blue Bantam. (55 days.) The dwarf, vigorous vines average fifteen inches in height and carry enormous crops of large deep bluish green pods. These measure 4 to 4½ inches long and are tightly packed with 8 to 10 extra large luscious peas. Considered one of the best flavored. Pkt. 10 cts., ½ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts. By express, 10 lbs. or more, 28 cts. per lb.



Alaska Peas

Everbearing. (65 days.) Grows about 20 inches high; pods of good length; peas very large, wrinkled and in quality unsurpassed. For continuance and profusion of bearing this variety is unexcelled. Pkt. 10 cts., ½ lb. 25 cts., lb. 40 cts., 2 lbs. 70 cts., 10 lbs. or over by express at 22 cts. per lb.

First and Best. (45 days.) Pods well filled with round, smooth peas of excellent flavor. Extremely early, productive and hardy. Height 2½ feet. Pkt. 10 cts., ½ lb. 20 cts., lb. 35 cts., 2 lbs. 60 cts. By express, 10 lbs. or more at 20 cts. per lb.

Gradus. (55 days.) One of the earliest wrinkled peas, very hardy, and can be planted extremely early. The vine grows about 2½ feet high. Pods large and well filled. Pkt. 10 cts., ½ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more, 25 cts. per lb.

Hundredfold. (50 days.) Bountiful crops of broad, 4-inch pods which hold usually 8 large, dark green peas of wonderfully rich flavor. The vines are sturdy and heat-resisting, averaging 16 inches high. Pkt. 10 cts., ½ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts. By express, 10 lbs. or more at 28 cts. per lb.

Laxtonian. (50 days.) Dwarf and bushy—about 14 inches—very productive of 4 inch blunt pods containing 8 to 10 peas of unsurpassed flavor and quality. Pkt. 10 cts., ½ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts. By express, 10 lbs. or more at 28 cts.

Little Marvel. (53 days.) Popular with market gardeners because of its extreme earliness and productiveness. The large dark green pods are usually borne in pairs. Very dwarf, vines growing only 15 to 18 inches high. Pkt. 10 cts., ½ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more at 25 cts. per lb.

Nott's Excelsior. (60 days.) This excellent dwarf wrinkled extra early pea is robust and vigorous and produces in profusion handsome pods, closely packed with large peas of fine flavor. Pkt. 10 cts., ½ lb. 20 cts., lb. 35 cts., 2 lbs., 65 cts. By express, 10 lbs. or more, 25 cts. per lb.

Premium Gem. (50 days.) Grows about 15 inches high and is among the earliest dwarf, abundant green wrinkled sorts. Pkt. 10 cts., ½ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more at 25 cts. per lb.

Thomas Laxton. (50 days.) One of the largest podded of the dwarf peas. Matures with the earliest and is of a delicious flavor. Pkt. 10 cts., ½ lb. 25 cts., lb. 45 cts., 2 lbs. 80 cts. By express, 10 lbs. or more at 25 cts. per lb.

FOR THE HOME GARDEN—Little Marvel, Laxtonian and American Wonder are excellent dwarf varieties requiring no support and yielding well.

The Improved Soil Inoculator, Nobbe-Hiltner Process

NITRAGIN

TRADE MARK REG. U.S. PAT. NO. 31,210

Restores and Maintains Soil Fertility

Increases yields on beans, peas and sweet peas by forming nitrogen germs that take nitrogen from the air and make stronger and more vigorous plants.

Every garden needs NITRAGIN. Garden size for peas, sweet peas, and beans, including Lima (3-in-1 Inoculant).

Price **22c**

Larger crops result from the superiority of S. & H. reliable seed.



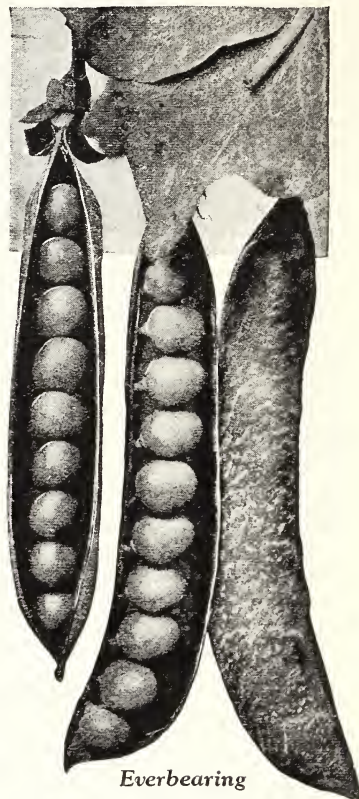
*Dwarf
Champion*

SECOND CROP or Medium EARLY PEAS

Dwarf Telephone or Daisy. (65 days.) A medium late pea of dwarf, stocky habit, healthy, vigorous growth, and productive, bearing large, handsome pods and peas of highest quality. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more at 25 cts. per lb.

Horsford's Market Garden. (65 days.) A grand wrinkled sort and a prolific bearer. Pods of medium size; peas of a delicious sweet flavor. Two feet high. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 65 cts. 10 lbs. or over by express at 20 cts. per lb.

Dwarf Champion. (65 days.) This new pea is one of the finest sorts we have ever tried. Vines make a healthy dark green growth and are well loaded with pods. The peas which are borne crowded in medium sized pods are of the highest quality, possessing the rich flavor of the Champion of England. The growth is very dwarf requiring no support. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more at 25 cts. per lb.



Everbearing

LATE or MAIN PEA CROP

These late kinds may as well be planted at same time as the earlier ones. The tall varieties do very well planted in double rows with the line of brush set in at same time, allowing 3 feet of space between the lines for thorough cultivation. Do not stint the seed, but scatter in the broad furrows which should be at least 4 inches deep.

Champion of England. (75 days.) One of the richest and best flavored peas grown; height 3 to 4 feet, seed wrinkled, whitish green and much shriveled. Pkt. 10 cts., $\frac{1}{2}$ lb. 20 cts., lb. 35 cts., 2 lbs. 65 cts. By express, 10 lbs. or more at 20 cts. per lb.

Improved Stratagem. (70 days.) One of the finest dwarf wrinkled peas. Their quality is unsurpassed, vines grow to a height of 18 or 20 inches, do not require sticking and are loaded with pods that are crowded with immense dark green peas. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more at 25 cts. per lb.

Telephone. (70 days.) One of the finest tall wrinkled marrows yet introduced. Vine strong, producing abundantly. The pods are of large size and filled with large delicious peas. Height 3 to 4 feet. Pkt. 10 cts., $\frac{1}{2}$ lb. 25 cts., lb. 40 cts., 2 lbs. 75 cts. By express, 10 lbs. or more at 25 cts. per lb.

FIELD PEAS

Canada Field. (White Seeded.) Valuable for soil-ing purposes. Sow at the rate of 2 to 3 bushels per acre; also sow with oats for green feed; are now quite extensively used for this purpose. 10 lbs. or over by express at 10 cts. per lb.



*Telephone
Peas*

No peas are as tender or taste as good as those grown at Home.

PUMPKINS

CULTURE. Plant in good soil when the ground has become warm, in hills 8 to 10 feet apart each way, or, as the general practice is with corn, in about every fourth hill. Three pounds per acre alone or about one pound with corn. Use "Slug Shot" for bugs.

Green Striped Cushaw. (75 days.) A long crooked neck, terminating in a round or oblong end enclosing a very small seed cavity; flesh surrounding seed cavity very thick. The neck is absolutely solid, rivalling the finest sweet potatoes for baking; or sliced and fried like Egg plant, when young; or as a pie sort, it has no equal. Splendid keeper. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

King of Mammoths. (Jumbo.) (90 days.) Largest of all the pumpkins, often reaching 24 inches in diameter, weighing 100 or more pounds. Make excellent stock feed, yet the quality is excellent for pies. When ripe, the skin is a rich orange color, flesh thick and yellow, sweet and tender. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Large Yellow Field. (90 days.) Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00. By express, 5 lbs. or more at 75 cts.

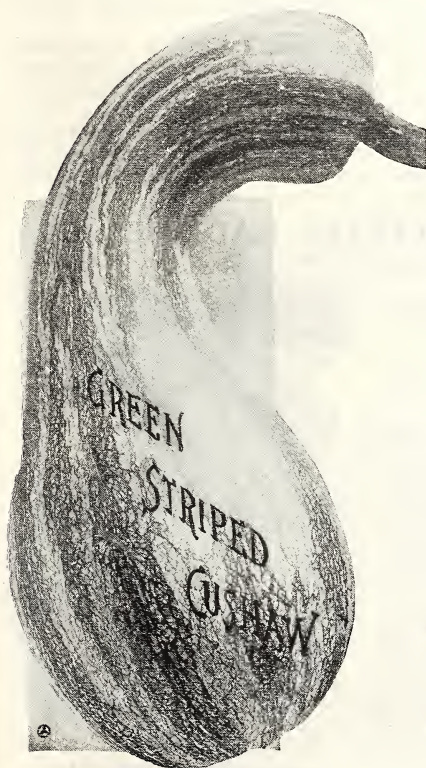
Sugar. (65 days.) A handsome and prolific variety of small size; the skin a deep orange yellow. It is fine grained in flesh, sweet in taste and an excellent keeper. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

The partial shade of the sweet corn plot is an ideal place to grow pumpkins in the home garden.

Plant Pumpkins for Pies—"Jumbo" for large bakings—"Sugar" for small



SPEAKING OF PIES—There are other delicacies besides Pumpkin, to put between the crusts. Think of Apples, Apricots, Peaches, Plums, Raspberries, Blackberries, Strawberries, Gooseberries, Currants, Grapes and Elderberries. Even the voluptuous "mock mince meat" is only fruits and green Tomatoes. WE GROW THE MAKIN'S.



MEDICINAL and POT HERBS

Herbs in general delight in rich mellow soil. For early use sow in hot-beds in March, transplanting to the open ground when weather is suitable. May also be sown in the open ground in May in rows 12 inches apart. Cover lightly and when large enough thin out to 8 to 10 inches apart in the row. They should be cut on a dry day just before they come into full bloom and hung where they may dry quickly.

Dill. (*Anethum graveolus.*) An annual cultivated for its seeds which have an aromatic odor and warm pungent taste. They are used as a condiment, also in making dill pickles. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts.

Sage. (*Salvia officinalis.*) The leaves and tender tops are used in seasoning dressing and sauces. A medicinal tea is also made from the dried leaves. Perennial. Pkt. 10 cts., oz. 30 cts.

Sweet Marjoram. (*Origanum marjorana.*) Used as a relish in soups, broths and dressings. Perennial. Pkt. 10 cts., oz. 35 cts.



Dill



Sage

Hungry? Consult our Fruit Tree section—pages 141 to 159.

RADISH

CULTURE. One ounce will sow 100 feet of drill, 10 pounds required for 1 acre. For the first crop sow as early in the spring as the ground can be worked, and every 2 weeks throughout the season for a succession. A warm, sandy loam, made rich and light by some good strong manure, will be most likely to afford them brittle and free from worms. Sow in drills 10 to 12 inches apart. The winter varieties should be sown in July and August.

Cincinnati Market. (28 days.) A fine extra early variety with a long, smooth root and small top. The color is a bright transparent red; the flesh tender and delicious, even when full grown. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.

Crimson Giant. (35 days.) Suitable for forcing or early planting out of doors. Larger than the other round red radishes, and solid longer. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb., 40 cts., lb. \$1.25.

Early Round Scarlet. (25 days.) A small round, red turnip-shaped radish, with a small top, and of very quick growth; early; rich color, crisp and tender. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

Early Long Scarlet. (28 days.) Grows 6 or 7 inches long, half out of the ground; is brittle and crisp; color bright scarlet, small top. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb., 35 cts., lb. \$1.00.

Early Scarlet Globe. (20 days.) Fine for forcing and market gardening. Large roundish oval; brilliant red; flesh white, solid, crisp and mild. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb., 35 cts., lb., \$1.25.

French Breakfast. Illustrated in color on Back Cover. (25 days.) A splendid half-long variety of medium size, crisp and tender, scarlet with white tip. This has long been a favorite kind in very general use. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb., \$1.00.

Icicle. (25 days.) Attains its best quality at about 4 inches long and remains crisp and sprightly an extremely long time. It is of most excellent flavor and transparent whiteness. Equally desirable for home use and market. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Round White Tip Scarlet. (21 days.) A handsome early variety of medium size and excellent flavor. The best of the round varieties. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.00.

White Strsburg. (48 days.) Pure white, firm and brittle, and of fine quality. Withstands hot weather best of any sort. Slow to become pithy. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

WINTER RADISHES

Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.25.

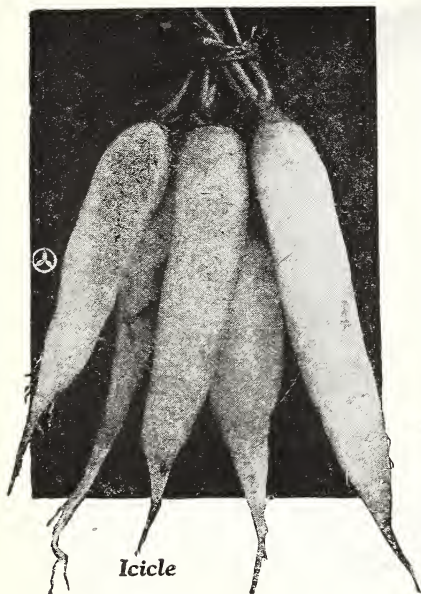
Long Black Spanish. (72 days.) Firm, oblong, black, of large size.

Rose China Winter. (60 days.) One of the best fall and winter varieties, bright rose color, flesh white and of superior quality.

California Mammoth White. (65 days.) Pure white. The flesh is tender and crisp and keeps well through the winter.



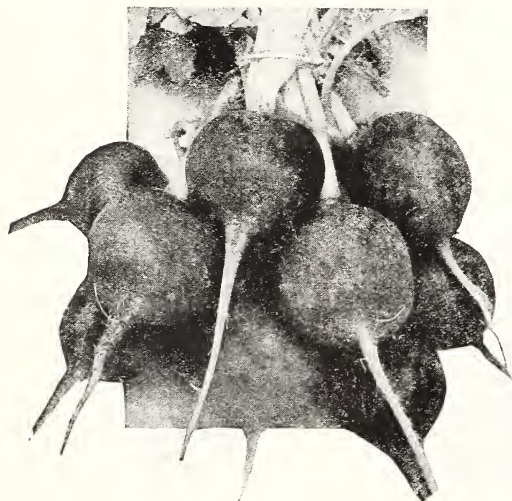
Round White Tip Scarlet



Icicle



Cincinnati Market



Early Round Scarlet

The spicy freshness of radishes is always a pleasing addition to a meal.

SALSIFY (Vegetable Oyster)

CULTURE. Sow early in spring, in drills 1 foot apart and 1 inch deep, thinning the young plants to 4 inches. The roots will be ready for use in October, when a supply should be taken up and stored in moist sand in a cool room. Those remaining will suffer no injury by being left in the ground until spring. One ounce to 100 feet. Ten to 12 pounds are required for one acre.

Mammoth Sandwich Island. (95 days.) White, tender, and of excellent quality. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.



Salsify



King of Denmark Spinach

drained soil; sow in drills 1 foot apart and 1 inch deep; or broadcast at rate of 30 pounds per acre. Make the first sowing early in spring and continue at intervals of 2 or 3 weeks, until the middle of June. Sow in August and September for early spring use, protecting with a winter covering of straw. One oz. will sow 100 feet of drill; or 10 to 12 pounds to the acre.

Round Thick Leaved. (45 days.) One of the most popular with our market gardeners; leaves large, thick and fleshy; excellent for fall sowing, being very hardy. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 45 cts.

King of Denmark. (45 days.) Leaves very thick, dark green, and curled or blistered, in low compact tufts, ready to use as soon as the earliest, yet remaining longer in good condition before running to seed. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts.

New Zealand Spinach. (55 days.) (*Tetragonia Expansa.*) Strong growing summer variety. The young branches and leaves can be gathered at any time. Sow thinly in drills 15 inches apart. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.35.

SPINACH

CULTURE. Select very rich, well

SQUASH—Summer Varieties

Seed should not be sown in the spring until danger from frost is past and the ground warm and thoroughly settled. Keep the earth about the plants loose and clean, removing the surplus vines from time to time, allowing not more than three plants to the hill. A little tobacco dust thrown around the hills discourages borers, Bordeaux Arsenate of Lead remedies blight and striped beetles; but the big black squash bug had better be hand-picked. If the winter varieties are not planted until the latter part of June, they are ordinarily able to escape the ravages of the borer.

FOR SUMMER SQUASH, sow 1 oz. to 25—4 feet apart each way; WINTER SQUASH, to 10 hills—8 to 10 feet apart each way—or 2 lbs. acre.

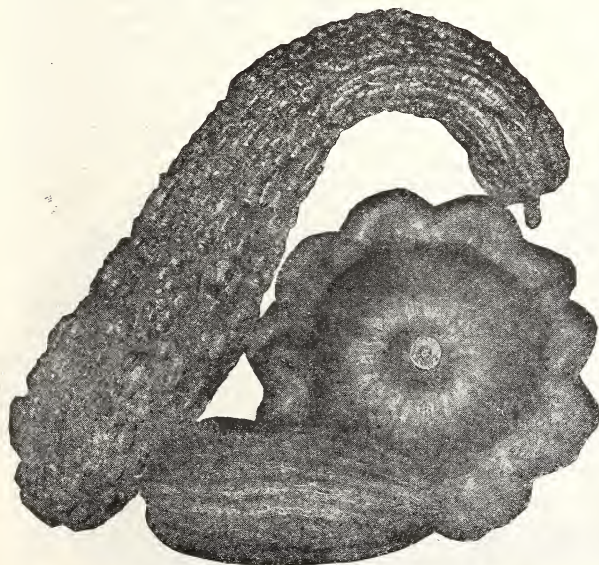
Bush Fordhook. (55 days.) In this new, true bush type the plants can be grown much more closely together. The fruits are rather shorter and thicker than those of the running type; they are also thicker fleshed and have a smaller seed cavity; unsurpassed for baking, frying, or making pies. Any fruit not needed for summer use can be left to ripen on the plants and gathered for winter use.

Giant Summer Crookneck. (65 days.) Bright yellow, a profitable sort for market, keeps bearing all summer. Plant farther apart than other varieties.

Mammoth Yellow Bush. (55 days.) A much enlarged strain of the early, yellow bush scallop, quite prolific; average size 14x4 inches, and weight 5 lbs.

Mammoth White Bush. (50 days.) Fruits round white, deeply scalloped, lobes being in pairs; very tender and delicious.

PRICE of above Summer Squash—Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.



The Three Types of Summer Squash

This catalog is our only salesman.

SQUASH—Fall and Winter Varieties

Delicious. (75 days.) It is of medium size, dark green in color and with very thick flesh which cooks dry, and is of superior flavor. Although a good fall variety it is in its best condition in the winter. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

Golden Hubbard. (110 days.) The color is a deep orange, tipped green at each end. The flesh is golden yellow, of excellent flavor and cooks dry; a good keeper. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

Hubbard. (110 days.) Skin deep olive green, flesh orange yellow. Sweet, rich flavored; keeps well through the winter; boils or bakes dry. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

Table Queen. (80 days.) 6 to 7 inches long by 4 to 5 inches thick, the shell a smooth dark green with sometimes a blotch of red at the pointed end; the productiveness and eating quality second to none. Baked twenty minutes, cut in two and served in the half-shell, it is an ideal and convenient individual side dish. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

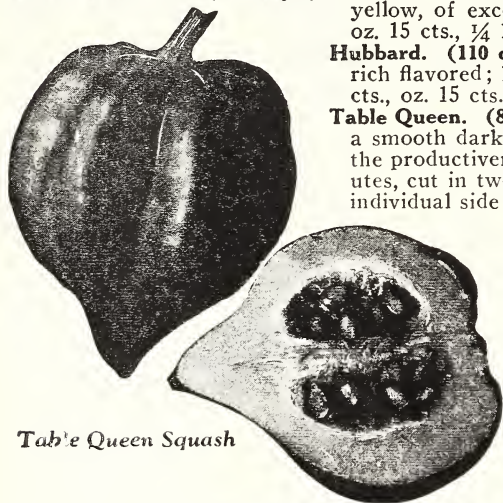
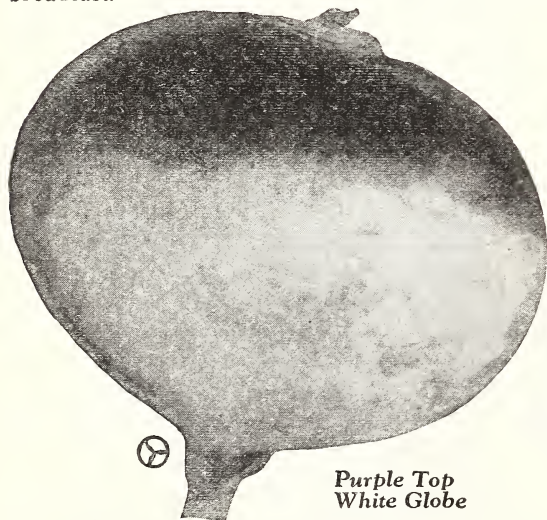


Table Queen Squash

Culture of Turnips

Turnips do best in a highly enriched, sandy, gravelly, or light loamy soil. Commence sowing the earliest varieties in April, in drills from 12 to 15 inches apart, and thin out early to 6 or 8 inches in rows. For a succession, sow at intervals of a fortnight until the last week in May. The early varieties are often broadcasted between corn rows or sown as a catch-crop to succeed the early potatoes. From the last of July to the end of August sowing may be made for the fall and main crops. One ounce sows 100 feet of drills. Two pounds per acre in drills 12 to 15 inches apart; one pound 2 feet apart; 3 pounds broadcast.



Purple Top
White Globe

Large White Ruta Baga. (90 days.) (Sweet Russian.) This variety is most excellent either for table or stock. It grows to a large size; flesh white, solid, firm texture, sweet and rich; keeps well. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

TURNIP

Purple Top White Globe. (70 days.) The most popular turnip grown either for table or stock. Of globular shape, rapid growth, and an excellent keeper. Flesh pure white, skin white with purple top. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

White Egg. (50 days.) Quick growing pure white; solid, firm, flesh fine grained, cooking up sweet and tender. Egg shaped, skin pure white. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.00.

Early Purple Top, Strap Leaved. (55 days.) Similar to Early Flat Dutch, but purple on top. Of excellent quality, largely grown for market. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 75 cts.



White Egg

Early White Flat Dutch. (40 days.) Extra early, flat, strap leaved, mild, fine quality. Use when small and tender. Also grown for fall crop. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 75 cts.

YELLOW FLESHED

Orange Jelly or Golden Ball. (70 days.) A very distinct, round yellow variety. One of the finest sorts for family use. Flesh pure yellow, fine grained, sweet and

tender. Does not attain a large size but is firm, hard and of most excellent flavor. Makes an ideal fall crop to store for winter use. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 75 cts.

Yellow Globe. (75 days.) This is a large sized general crop turnip. Globe shaped, pale yellow with green top. The skin is smooth, flesh firm and sweet. A splendid variety for either table or stock and is an excellent keeper. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 75 cts.

RUTA BAGA or SWEDE

Improved Purple Top Ruta Baga. (95 days.) One of the best of the Swedes, hardy and productive; flesh yellow, sweet and well flavored; shape slightly oblong terminating abruptly, color purple above and yellow under the ground; rich in flavor. A popular market sort. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 25 cts., lb. 75 cts.

You will find everything for yard and garden in this one catalog.

TOMATOES

CULTURE. Sow in hot beds during March, or from six to eight weeks before they can be set out of doors; when the plants have four leaves transplant into shallow boxes, setting them 4 or 5 inches apart; give them plenty of air and endeavor to secure a steady growth. Set out of doors as soon as danger from severe frosts is over. Seed may be sown in the open ground also at this time, and will make strong hardy plants, that will be excellent for fruiting. The choicest tomatoes are obtained by training the plants to stakes and keeping them pruned. Use stakes 2 inches square, 5 or 6 feet long. The main stem and two branches should be saved, cutting the others off just beyond the first cluster of blossoms. This treatment allows all the fruits to develop to perfection and none are lost from rotting on the ground. One ounce will produce 3,000 plants.

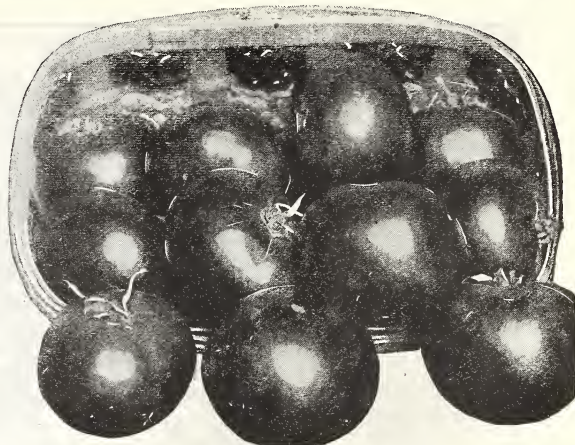
Acme. (100 days.) Of spreading growth; producing abundant medium sized fruits of irregular shape, in clusters of three to five. The skin is an even, purple-red color, the flesh dark red, fine in texture, slightly acid. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Bonny Best. (88 days.) Large, smooth fruit of a rich scarlet red, the color demanded by many markets. Fruit thick, with a small core, excellent for any purpose. Slices exceptionally well. Nearly globe shaped, slightly flattened at stem. Borne in clusters of five or six fruits, all ripening together. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Early Detroit. (90 days.) Early and very large size, nearly round. Purplish-pink skin. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Greater Baltimore. (110 days.) A main crop variety; fruit large and brilliant red in color. Ripens evenly to the stem. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

John Baer. (85 days.) Very large, free from core and of an attractive bright red color. Very prolific, one plant often having from fifty to seventy-five fruits which are borne in clusters and ripen evenly clear up to the stem; never bursts. Unexcelled for early home or market use. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.



Early Detroit

June Pink (85 days.) An early variety, blight resisting, long and heavy yielding, similar in habit to the famous Earliana, except its color is pink. An excellent shipper. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

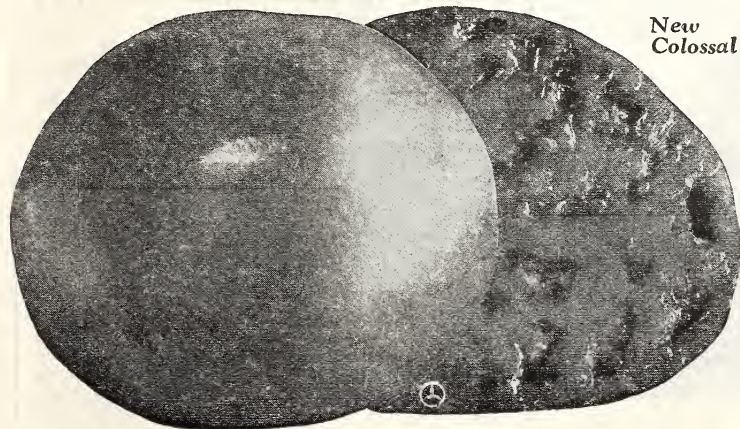
Livingston's Coreless. (110 days.) All of the fruits are of marketable size. Always free from green core; ripens all over and through and right up under the stem, all at once. A grand, good slicing variety; the seed cells being surrounded by bright red, heavy, meaty and delicious flesh. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.50.

Livingston's Globe. (95 days.) Large globe shape, always smooth, firm fleshed with few seeds, and ripens evenly. The color is a fine glossy rose tinged with purple. One of the best forcing varieties. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.00.

New Colossal. (110 days.) One of the largest, heaviest and best tomatoes, averaging 2 to 3 pounds. Close celled, firm flesh with remarkably few seeds, and little waste. Flavor sweet, cool and sprightly, notably free from the commonly objectionable acidity. Enticing red,

solid, 5-inch slices; satisfactorily all-tomato when cooked; and a profitable can filler when preserved—in every usage expressing the highest quality of flavor and texture. To illustrate its meatiness and freedom from seeds, compare the average requirement of $1\frac{1}{2}$ bushels of tomatoes to produce a pound of seed, with this giant fruited variety which requires 7 to 10 bushels to produce a pound of seed. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., oz. 85 cts., $\frac{1}{4}$ lb. \$2.50.

Ponderosa. (110 days.) In addition to its ponderous size, it is very solid, with few seeds; a beautiful crimson throughout. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$6.00.



New Colossal



New Tomato "Wayahead"

TOMATOES—Continued

Spark's Earliana. (85 days.) Remarkable for its earliness, large size, uniform shape, solid fruit, attractive red color, and productiveness. The leading high quality early market variety. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Stone (110 days) A fine main crop tomato for market or canning. The beautiful red fruit is perfectly smooth and very large, ripening evenly, and is free from rot, even in wet seasons. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

Wayahead. (85 days.) A new variety, and one of the best. Extra early, resembling Earliana but preceding it, with handsome smooth, solid, red fruits. A heavy cropper, with a vigor which keeps up the size even on the latest set fruits. Pkt. 15 cts., $\frac{1}{2}$ oz. 30 cts., oz. 55 cts., $\frac{1}{4}$ lb. \$1.75.

Yellow Ponderosa. (110 days.) Identical with Ponderosa in quality and size but produces golden yellow fruits, exceptionally free from acid, mak-

ing it a desirable variety for home use and one of the most attractive to use in mixed color salads. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts.

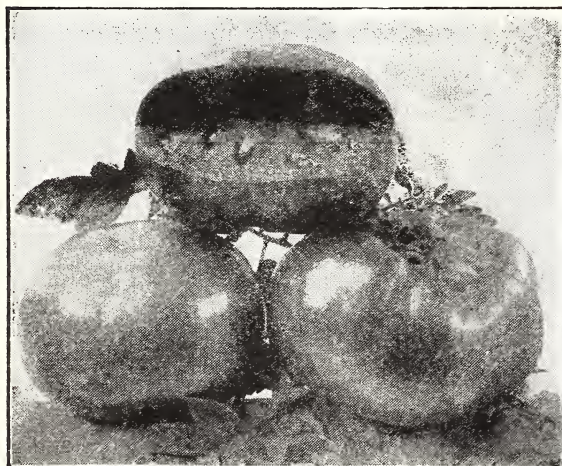
Truckers' Favorite. (100 days.) Flattened, smooth skinned fruits $3\frac{1}{2}$ by 4 inches thick, attractive for the market with its uniform purplish red color. The flesh is meaty, very solid, and of excellent quality. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.00, lb. \$3.50.

SMALL FRUITED

Yellow Pear. (95 days.) Fruits a clear, handsome yellow. Very sweet and free from acid. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts.

TOBACCO

Connecticut Seed Leaf. A popular cigar variety, also largely used for pipe smoking by those who prefer a home cured natural leaf. Makes a large broad leaf and is the only variety extensively grown in northern states. Pkt. 10 cts., $\frac{1}{2}$ oz. 30 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50.



Spark's Earliana

HOW to Keep the LAWN GREEN**Old Lawns**

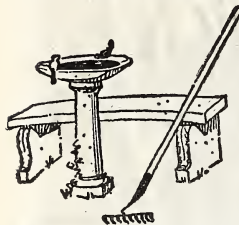
will be greatly benefited if, as early in the spring as the weather will permit, they are carefully raked, so as to remove the dead grass and leaves that may be on them, then sprinkle it with our Velvet Sod Mixture, which will renew the thin places and spots that have been killed by the winter or other causes, then give it a thorough firming and smoothing with a heavy roller.

**Fertilizer.**

We recommend the Wizard Brand Sheep Manure, or Armour's Lawn and Garden Grower (see Page 140) as the simplest and most effective fertilizers. Broadcast sheep manure at rate of 10 pounds per 100 square feet, or 6 pounds for reviving old lawns. Pure Bone Meal is also good, applied at rate of 600 to 1,000 pounds to the acre.

Home grown vegetables are always freshest and taste the best

S & H High Grade LAWN GRASS SEEDS



THE successful keeping as well as making of a beautiful lawn lies most largely in the thorough preparation before a seed is sown. If there is grading to be done the top soil to the depth of 6 to 8 inches should first be removed to one side; finish with the top soil after the grade is complete.

This should be thoroughly harrowed and raked to reduce to as fine a condition as possible, as well as to level it, as nothing detracts so much from the appearance of a lawn as an uneven surface. Sow the seed as early in the spring as convenient, the earlier the better if the soil is in good condition, scattering it in both directions at right angles to each other, which will give a more even distribution. After the seed has been sown it should be raked lightly, then thoroughly rolled.

No one kind of grass will make a lawn that will keep beautifully green all through the season, but a mixture of several is essential, as some varieties are more luxuriant in the spring, others in the summer, and again others in the autumn, and a proper combination of these various sorts is required to create and maintain a perfect carpet like lawn. Our Velvet Sod Mixture is a splendid exemplification of scientific knowledge and practical treatment, giving quick, sure and satisfying results unsurpassed by any general lawn mixture on the market.



S & H RE-CLEANED GRASS SEEDS

Our grass and clover seeds will more than pass any State requirements as to purity, and will please the most critical buyers. We handle only the finest and cleanest grades procurable. So much depends upon grades that prices vary greatly in all grass and clover seeds.

We do not guarantee Prices on Grass and Clover seeds. The prices herein are based on values at time of going to press with this catalogue. They are subject to market fluctuations.

Prices quoted by lb. and 3 lbs. are postage paid by us; if ordered by express, deduct 10 cts. per lb. Larger quantities are by express or freight, purchaser paying charges.

Creeping Bent. (*Agrostis Stolonifera*.) Modern golf has popularized this thickly rooting, densely cropping grass for putting greens. Makes a velvet smooth, low, thrifty lawn surface, sown 60 pounds to the acre. Lb. \$1.25. 10 lbs. and over by express, at \$1.10.

Kentucky Blue Grass. **Fancy Clean.** Also known as June Grass, a valuable variety for lawns when mixed with other grasses, and especially valuable as a pasture grass. About three bushels to the acre for pasture. (21 lbs. to the bu.) Lb. 50 cts. 10 lbs. and over, by express or freight, at 35 cts.

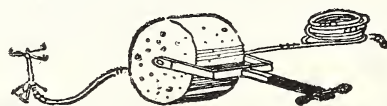
Red Top Fancy. Re-cleaned seed, 32 lbs. per bushel. Grows well in almost any soil and is valuable either for meadows, pasture or lawns, especially so for moist land. About 15 pounds sow an acre. Lb. 45 cts. 10 lbs. and over, by express, at 30 cts.

English or Perennial Rye Grass. A nutritious, quick-growing grass for meadows and pastures. It does well on sloping banks, as its roots are fibrous and mat-like. 24 pounds to the bushel. Lb. 35 cts., 3 lbs. \$1.00. 10 lbs. and over, by express or freight, at 20 cts.

Orchard Grass. A valuable grass for pastures, for sowing in orchards or shady places. It grows rapidly and does not suffer from close feeding. When sown alone three bushels should be sown to the acre; 14 lbs. to the bushel. Lb. 45 cts., 3 lbs. \$1.25. 10 lbs. and over, by express or freight, at 28 cts.

Meadow Fescue or English Blue Grass

Especially suited for permanent pasture and is also fine for hay. Grows 2 to 3 feet high but not in tufts like Orchard Grass. The hay is very nutritious and cattle thrive on it whether dry or green. Succeeds even in poor soil, and as the roots penetrate deep, from 12 to 15 inches, it takes extremely dry weather to affect it. As a fertilizer it has valuable properties, and will stand freezing very effectually. About 24 pounds of seed are sown to the acre. Lb. 45 cts. 10 lbs. or over, by express or freight, at 30 cts.



The S & H Co.
Well Known
LAWN MIXTURES

"Velvet Sod." A mixture of fine dwarf, close growing grasses, that will produce a neat, velvety lawn and permanent sod in a short time. Weight, about 25 pounds to the bushel. One pound will seed about 300 square feet; 80 to 100 pounds are required for an acre. ½ lb. 35 cts., 1 lb. 60 cts., 2 lbs. \$1.15, 3 lbs. \$1.65, 5 lbs. \$2.50, postage paid. By express, 10 lbs. at 38 cts. (Not prepaid.)

"Shady Lawn." A modification of our famous "Velvet Sod" mixture, designed for use in shady places. ½ lb. 35 cts., 1 lb. 60 cts., 2 lbs. \$1.15, 3 lbs. \$1.65, 5 lbs. \$2.50, postage paid. By express, 10 lbs. at 38 cts. (Not prepaid.)

"Velvet Sod" is just that; a sod you love to touch.

RECLEAVED GRASS SEEDS—Continued

Hard Fescue. A splendid grass for golf links, tennis courts, etc.; will resist droughts. Sow 6 to 7 bu. per acre (12 lbs. per bu.). Lb. 50 cts. By express, 10 lbs. and over, at 40 cts. per lb.

Red or Creeping Fescue. Very valuable for sowing on sandy soil and in shaded places, also on putting greens. Sow 100 to 125 lbs. per green, 100 feet square (14 lbs. per bu.). Lb. 60 cts. By express, 10 lbs. and over, at 45 cts. per lb.

Sheep's Fescue (*Festuca ovina*). Grows naturally on light, dry, sandy soils and mountain pastures; considered valuable mixed with other grasses for permanent early spring pasture. Sow 15 lbs. per acre. Bushel about 12 lbs. Lb. 50 cts. 10 lbs. or over, by express, at 40 cts.

Crested Dog's Tail (*Cynosurus cristatus*). May be sown on lawns; forms a close turf, remaining green a long time; valuable for sheep pasture; succeeds on dry, hard and gravelly soil. Height, 1 to 1½ feet. Sow 25 pounds per acre. 21 pounds to the bushel. Lb. 70 cts. 10 lbs. or over, by express, at 55 cts.

Timothy. (*Phleum pratense*.) Of the easiest cultivation and with us is usually sown in connection with winter grain in the fall, to



Timothy for Hay and Pasture

which a seeding of clover is added early in the spring. 45 pounds to the bushel; from ½ to 1 bushel to the acre. Lb. 25 cts., postpaid. Write for price per bushel.

Storrs & Harrison's SELECTED CLOVER SEEDS

Alfalfa. (*Lucerne*.) For bringing up poor land it is the best of the clovers, as it not only produces large masses of foliage but forces its roots deeply into the earth. On land that is not naturally rich it needs fertilizing to help it get started. If there is no lime in the soil a top dressing of it should be given when the land is plowed. For inoculation, see "Nitragin" offer, Page 139. It should be mowed often enough during first season to keep the weeds down, being careful to cut above the crowns of the Alfalfa plants. Not adapted to low, wet land. Lb. 50 cts. Write for samples and prices on larger quantities. Sow early in spring or fall at rate of 20 pounds per acre.

Alsike. (*Swedish*.) An excellent variety, of luxuriant growth and very sweet; valuable for pasture or ensilage, especially on moist land; makes good bee forage. Sow 5 to 6 pounds per acre. Lb. 50 cts. Write for prices on larger quantities.



Medium Red Clover

Scarlet or Crimson Clover. Brilliant scarlet flowered annual; very productive and greedily eaten by cattle, remains green longer than the red variety, and is excellent for bee food. Largely used for green manuring; sown in August it may be plowed under the following June. Sow 15 pounds per acre. Lb. 40 cts. 10 lbs. and over, by express, at 30 cts.

Sweet Clover. (*Bokhara*.) (*Melilotus alba*.) This legume is native to all parts of this country and is the most beneficial of all crops for building up worn-out land. Thrives on all soils, but like all clovers, requires lime, which should be supplied on land where it is lacking. Makes fine pasture for bees and good quality of hay relished by all stock. Does best when seeded alone. Sow in spring or fall. Twenty to thirty pounds are required per acre. Lb. 35 cts. 10 lbs. and over, by express, at 25 cts.

White Dutch Clover. Excellent for lawns in mixtures with grasses. A good pasture clover. Sow at the rate of 6 to 8 pounds per acre. ½ lb. 35 cts., lb. 65 cts., 5 lbs. and over, by express, at 50 cts.

Medium Red Clover. This is regarded as the most valuable of the Clover family. It is sometimes called June Clover and is a dependable all-round variety for farmers and stockmen. It makes two crops each year. The first is usually cut when it is in blossom for hay; the last crop may be harvested for seed, cut for hay, or plowed under to add fertility to the soil. It may be sown either in the spring or fall, and if no other grasses are used, at the rate of from 8 to 12 pounds to the acre, according to quality of seed used and condition of the soil. Clover adds greatly to the fertility of the land on which it is grown. It does not exhaust the soil, but enriches it. Lb. 55 cts. For quantity, write for price.

S & H green grass is growing all around.

MISCELLANEOUS FARM SEEDS

Prices per single pound and 3 pounds, where listed, are postage paid by us; in larger quantities by express or freight, purchaser pays charges. Prices subject to market changes.

Broom Corn. (Imp. Evergreen.) This variety is extensively grown on account of the color and quality of the brush, which is long, fine, straight and always green. Grows from eight to ten feet tall. Plant in rows $\frac{3}{4}$ feet apart and 3 inches apart in the row. Pound 35 cents postpaid. By express, 10 lbs. and over at 15 cts. per lb.

Canada Field Peas. Field Peas make a very valuable crop. They can be fed in mixture to all kinds of live stock and are very valuable as nitrogen fixers, leaving the soil from which a crop of peas has been harvested richer in nitrogen than it was before. Sow alone at the rate of 3 bushels per acre or with oats, for fodder, at the rate of 2 bushels of peas and 1 bushel of oats per acre. 10 lbs. by freight or express 10 cts. per lb.; 100 lbs. at 8 cts. per lb.

Tennessee Millet. No other plant that has yet been introduced for thing approaching the enormous yield of Millet when grown under favorable circumstances. The seed we offer is genuine Tennessee grown, of the finest quality. There is a wonderful difference in true Southern grown Millet when compared with the cheap Western grown. True Southern Millet will produce double the amount of hay produced from Western grown seed. Sow for feed one bushel to the acre. Lb., 30 cts. postpaid. By express, 10 lbs. at 10 cts., 50 lbs. and over at 9 cts.

Japanese Millet. This grows six to eight feet high, stands remarkably well, and yields from 10 to 12 tons green fodder per acre. It may be sown from the middle of May to the first of July, broadcast at the rate of fifteen pounds per acre. Lb. 40 cts. postpaid. By express, 10 lbs. at 18 cts., 50 lbs. and over at 15 cts.

Hairy Vetch. (*Vicia Vilosa*) This legume is rapidly springing into favor in the North as a fall soiling crop. Grows luxuriantly and is one of the greatest nitrogen gatherers. Requires no special soil preparation, neither is it particular as to soil, and is therefore very valuable for bringing up poor land. Makes a valuable and nutritious hay. If used for this purpose it should be cut in the spring when seed pods which resemble small peas are just forming. Its feed value is equal pound for pound with prime wheat bran. In the latitude of northern Ohio, Vetch should be sown by September 15, to get well started that fall. Farther south it may be sown later. Rate of thirty to forty pounds to the acre. Lb. 40 cts., 3 lbs. \$1.25. 10 lbs. and over at 25 cts. per lb. by express.

Rape. (*Dwarf Essex*) Extensively grown for forage, especially for sheep; makes excellent green feed for poultry. They can be turned into it within six to eight weeks after sowing. Cattle and sheep are apt to bloat if the leaves are wet or they are turned in hungry and allowed to fill themselves. Sow in June or July, in rows two and one-half feet apart at the rate of five pounds seed per acre, or may be sown broadcast at the rate of eight pounds per acre; it may be sown in April with oats, for an early crop after the oats are cut. Lb. 40 cts., 3 lbs. \$1.00. By express, 10 lbs. and over at 15 cts., 50 lbs. and over at 12 cts.

Sudan Grass. This forage crop is of immense value to the south or any section not sufficiently supplied with rainfall. It is a great drought resister and makes an excellent quality of hay. Grows from five to nine feet tall and stools freely when given plenty of room after cutting. Do not sow until the ground has become thoroughly warm. 16-24 pounds to the acre broadcast, or 4-6 pounds in drills, 18-24 inches apart. Lb. 35 cts., 3 lbs. \$1.00. By express, 10 lbs. or over at 15 cts. per lb.

Sugar Cane. (*Early Amber*) The standard variety for the North. The beautiful amber colored syrup it produces is thought to be superior in flavor to any other, and for sugar is unsurpassed. Valuable as a forage plant. Makes excellent milk-producing feed for dairy cows. 25 lbs. and over at 10 cts.

Sugar Corn for Fodder. Very nutritious, rich and succulent for feeding green. 10 lbs. by freight or express, 10 cts. per lb. 100 lbs. at 8 cts. per lb.

Sunflower. (*Mammoth Russian*) Of considerable value as a poultry food. Many people insist it clears the air of malaria germs. In small gardens the heavy, erect, growing stalks may be utilized for supporting Kentucky Wonder or other pole beans. Lb. 30 cts. By express, 10 lbs. or over at 15 cts. per lb.



Original Soil Inoculator
A boon to farmers growing Alfalfa, Soy Beans, Clovers and other legumes. It is safe and reliable. Contains more nitrogen gathering germs by millions than any jelly culture; costs much less. Looks like deep, rich soil.

Comes in tin cans; easy to open, and easy to mix with seed. Guaranteed for one year; expiration date stamped on every package. Sold on bushel basis (not acre sizes), which means that NITRAGIN COSTS LESS.

PRICE:— Postpaid

$\frac{1}{4}$ -bu. size (for 15 lbs. of seed).....45 cts.

$\frac{1}{2}$ -bu. size (for 30 lbs. of seed).....65 cts.

1-bu. size (for 60 lbs. of seed).....\$1.05

5-bu. size (for 300 lbs. of seed).....4.85

COST PER ACRE:—Above prices mean that

NITRAGIN will cost you—

20 cts. per acre if you sow 12 lbs. of seed.

25 cts. per acre if you sow with 15 lbs. of seed.

3 $\frac{3}{4}$ cts. per acre if you sow with 20 lbs. of seed.

WHEN ORDERING—always mention the crop you want it for.

Every Garden Needs "Nitragin"

The 3-in-1 Bacteria Fertilizer for PEAS, SWEET PEAS AND BEANS

Insures a better quality, larger crops and faster growth. NITRAGIN germs feed the plant nitrogen, taking it from the air in the soil. This helps to make the plants strong and vigorous. The germs greatly multiply the nodules (lumps) on the small hairy roots. Each lump is stored up nitrogen plant food. The more lumps the more fertile the soil. You mix Nitragin with the seed and plant in the usual way. NITRAGIN is the original—(consult any library). Endorsed by Agricultural Departments, Experiment Stations and thousands of users.

PRICE OF GARDEN PACKAGE: (Inoculates from 1 oz. up to 8 lbs. of seed), 22 cts. postpaid.

TEMLEY'S "Watch-em-Grow" PLANT FOOD

A wonderfully quick-acting, perfectly compounded Plant Food giving us one of the best balanced fertilizers possible to secure.

Use it on your house plants, as follows: Dissolve a teaspoonful in a cup of hot water, afterwards pouring this into one gallon of cool water. Water your plants with this mixture. For a six-inch pot plant, use a pint of mixture once each week until you note improvement; then once in two weeks, and occasionally thereafter.

In repotting plants, use a teaspoonful dry, thoroughly mixed throughout four quarts of potting soil. In the garden, it may be used in the same way as recommended for pot plants.

A TRIAL PACKAGE FOR 10 Cts.

Guaranteed Analysis

Ammonia, soluble in water.....19%

Available Phosphoric Acid.....10%

Potash, soluble in water.....14%

Total, in perfect balance.....43%

Send us 10 cts. for a trial package of "Watch-em-Grow," with directions for using. After using contents, if you are satisfied with results, you may return us the empty package and forty cents (40 cts.), for which we will mail you one of our regular fifty cent cans of Watch-em-Grow Plant Food. This makes the trial package cost you nothing.

Trial package, 10 cts.

Large, 8 oz. can, 50 cts.



This catalog is our only salesman.

FERTILIZERS for LAWN and GARDEN



Armour's Lawn and Garden Grower

A properly balanced, concentrated plant food mixture blended from those chemical fertilizer ingredients best suited for the growing of grass and gardens. It contains more pounds of highest grade plant food than is generally used in lawn and garden fertilizer, having at least 16 times as much plant food as ordinary farm manure. **Free from Weed Seeds!**

Has no bad odor! Definite instructions are plainly printed on every bag.

PRICES

Freight or Express, not prepaid.	
100-lb. Bag.....	\$5.00
50-lb. Bag.....	3.00
25-lb. Bag.....	1.75

Wizard Brand Sheep Manure

Pulverized Sheep Manure is an efficient fertilizer to use on lawns, in the garden, the perennial border, shrubbery beds, small fruit garden, flower beds, etc. It is safe and dependable. A natural plant food and not a chemical stimulant. Every amateur gardener can get results with Wizard.

PRICE: By express or freight only—not prepaid: 5 lbs., 25c; 10 lbs., 45c; 25 lbs., \$1.00; 100 lbs., \$3.25.

Spray Early
and Often

INSECTICIDES and FUNGICIDES

To get the best results spray thoroughly at the right time with the right material. Use contact poisons such as Nicotine compounds for Aphids and sucking insects; stomach poisons such as Arsenate of Lead for chewing insects, and Bordo powder for fungous diseases.

ARSENATE OF LEAD POWDER.

A chemically accurate combination of Arsenic which is the poisoning agent, and Lead which serves to hold the poison upon the foliage and also counteracts possible damage to the leaf itself. An efficient destroyer of all leaf-eating insects which attack either fruit or shade trees, shrubs, flowers or vegetables. **By express only.** 5-lb. cartons, \$2.00 each, 1-lb. cartons, 75 cents each.

BORDO POWDER.

A highly efficient powdered form of Bordeaux Mixture; non-poisonous, but of great effectiveness when applied against black spot, mildew, and all fungous diseases. 1-lb. cartons, 75 cents each. **By express only.**

NIAGARA NICOTINE POWDER.

A highly efficient destroyer of all sucking insects, designed to combat Thrip, Aphid, Spiders, et al. Put up in an easily handled, fine powder. Must be shipped by express only. 1-lb. package 50 cents, 5-lb. package \$1.50.

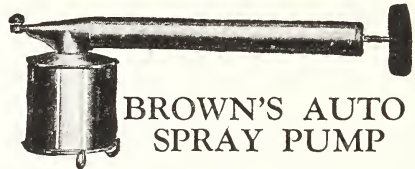
"NICO-FUME LIQUID."

A highly concentrated liquid Nicotine solution for fighting sucking insects, such as Thrip, Aphid and Spider. Used according to directions, in a fine spray and with as much force as possible, it makes a very effective and inexpensive insecticide. Being highly poisonous, it must be stored in a safe place away from children. Can be shipped in express or freight orders only, **not mailable.**

3/4-lb. can.....	\$0.75	The proportion for spraying is one to two teaspoonfuls added to a gallon of water.
1-lb. can.....	2.35	
4-lb. can.....	8.50	

SULPHO-TOBACCO SOAP.

Useful for ridding house plants of bothersome insects. Especially efficient in removing scale from Palms and Ferns. Small cakes, enough to take care of the ordinary plant collection, **by mail, postpaid, for 25 cents.**



BROWN'S AUTO
SPRAY PUMP

A simple, powerful, effective spray pump for liquids, easily carried and operated. Unlike other types, its spraying action is **continuous**; thereby doubling the speed and effect with no greater effort. Filling and cleaning are extremely simple. Two nozzles are supplied, one for straight away, and one for angular spraying.

AUTO-SPRAY No. 26-A. All tin, 1 quart.....postpaid, \$1.25

AUTO-SPRAY No. 26-B. Tin pump, brass tank, 1 quart capacity postpaid 1.50

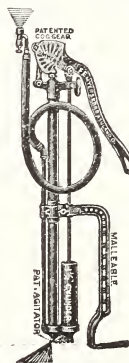
THE "FAULTLESS" SPRAYER No. 1

Above is absolutely the best small, simple mist sprayer for general use against insects, on the market. Made of tin, substantially jointed and reinforced; greatest durability and spraying force in its class. Adapted for throwing either liquids or dry powder. Price, 75 cents each, or \$1.00 postpaid.

MYERS 8 FOOT PIPE EXTENSION

For use on the two Myers pumps listed—each.....\$1.25

Cog Gear
Bucket



MYERS BUCKET PUMPS

Constructed entirely of brass, with malleable iron foot rest. Will throw a solid stream 50 feet; valuable for spraying trees, washing windows or buggies, extinguishing fires, sprinkling lawns or flowers, etc. One superior feature is the extra jet for keeping the spray material mixed and agitated.

COG GEAR. (No. R-324) 1 1/2-inch brass cylinder and patent cog-gear handle makes easy work and extra capacity. Price: The pump with agitator, complete with detachable hose and graduating fine, sprinkling and solid stream nozzle.....\$7.00

LITTLE GIANT. (No. 327 1/2) Special feature is the arrangement of air-chamber and cylinder side by side which makes the down stroke do all the

work; thus relieving any upward pull on the bucket. Spray is continuous regardless of plunger action. Price: The pump with agitator complete with hose and combination fine, coarse-spray and solid stream nozzle.....\$4.50



Everything listed on this page is to help—when things go wrong.

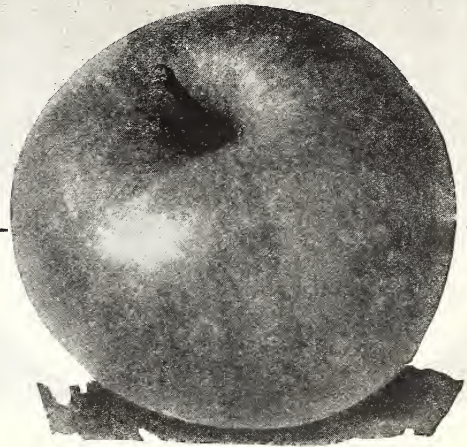
FRUIT TREE DEPARTMENT

APPLES



HERE is a constantly increasing demand for high-quality fruit of all kinds, and in no class of fruit is the demand more noticeable than in Apples. With the proper selection of varieties and intelligent cultivation, there is no reason why the orchardist who makes a specialty of Apples should not have a business yielding him larger returns for the money and labor invested than almost any other horticultural industry. Where Apples are grown solely for home use, a wide range of varieties may be selected; and the extensive list of distinct kinds offered in our catalog afford the choicest varieties in all desirable types; and covering the entire range of ripening seasons. "PLAN TO PLANT ANOTHER TREE" is a recent advertised Nursery slogan. Many of the delightful experiences with Nature are but transitory; but the Orchard endures, and may be passed on with its fruitful blessings, to posterity. Set trees 32 to 40 feet apart.

FILLERS. Most commercial orchards are now planted with standard varieties, 40 feet apart each way. Quick, upright growing, early maturing varieties are used as fillers, planting between standards to make 20 ft. apart; fillers to be removed when the standard trees require the room (12 to 18 years). This requires 28 standard and 82 fillers to the acre. **We recommend for fillers:**—Yellow Transparent, Duchesse of Oldenburg, Grimes Golden, McIntosh and Wealthy.



Northern Spy Apple (See Page 143)

Filling Orders. We are in position to fill orders for stock in this department as soon as this catalogue reaches you. If your order is accompanied by at least 25 per cent of full amount, we will at once assemble the fruit or other trees then in storage, and "set aside" under your name until the date set or weather conditions permit, for shipping. Naturally, stock not "in cellar" must await suitable digging weather.

QUOTATIONS. We will be pleased to quote prices on definite lists, to anyone desiring different sizes of stock in larger quantities than offered herein.

SUBSTITUTION. We reserve the right, in case we are out of a variety, to substitute another of equal merit when it can be done (always labeling with correct name)—unless the party ordering says: "No Substituting"; in which case we will fill order as completely as we can and refund balance of remittance.

SPRAYING. The best time to spray, and the best formulas to use, vary so much in different localities that we do not try to give tables and formulas in this catalogue. Bulletins can be obtained of your State Agricultural Experiment Station, that will give full information.

A WORD ABOUT OUR SERVICE on FRUIT TREES

Shipments. We have the largest frost-proof storage cellars in the business, which every winter harbor an immense amount of perfectly kept stock. We can load under their cover and on our private switch, car-load shipments at any time without danger of injury to stock. But less-car-load shipments must naturally wait the breaking of severe winter. No nursery provides better materials or greater care in packing than ours. Just as early as we can safely let them go, early delivery orders are rushed out; and we work hundreds of men day and night to avoid unnecessary delay for customers.

BY FREIGHT OR EXPRESS. Every article not specially priced "Mail size" is priced for delivery by Freight or Express, packed free, but customer to pay transportation charges. All

heavy trees in large quantities should be sent by freight if time is not too urgent, as the carrying charge is much less; and our perfect packing admits a long journey without injury to the trees. Strawberry plants, however, are perishable and must be delivered in quickest time possible. We never ship them by freight.

BY MAIL. Stock offered "Mail Size," will be delivered prepaid to your post-office. **A cross (X) following descriptions indicates varieties we can supply in mail size.** All one-year old trees, vines, etc., well rooted, cut back to suitable size, guaranteed to reach you in good condition. Those wishing to save freight or express charges on long distance shipments, to plant young thrifty stock and train according to their own requirements, will find this size admirably suited to their needs.

Order early—We watch the weather and ship at just the right time.



Yellow Transparent

PRICES OF APPLES

	Each	Per 10	Per 100
Standard Varieties—			
5 to 7 feet.....	\$0.75	\$6.00	\$45.00
4 to 5 feet.....	.60	5.00	35.00
3 to 4 feet.....	.50	4.00	25.00
Special Varieties—Cortland, Ensee, Golden Sweet, King David, Live-land, McIntosh, Opa-lescent, Red Astrachan, Seek-no-Further, Spitz-enburg, Sweet Bough, Tolman Sweet, Twenty Oz and Williams Red—			
5 to 7 feet.....	.85	7.00	55.00
4 to 5 feet.....	.70	6.00	45.00
3 to 4 feet.....	.45	4.00	30.00
Crab Apples, 5 to 7 feet....	.75	6.00	.....
Crab Apples, 4 to 5 feet....	.60	5.00	.....
Mail Size (X)—50 cts. each; 3 for \$1.25 (un- less noted).			
Dwarf Apples—See list of varieties .....	.85	7.50	.....

*This sign indicates the Russian or hardier kinds. This (X) sign indicates we can furnish in Mail Size.

SUMMER APPLES

- Bough.** Large, pale yellow; tender, sweet. (X)
Early Harvest. Medium, pale yellow, tender, juicy.
Golden Sweet. Large, pale yellow, very sweet.
Liveland Raspberry. Fruit good sized, clear, waxen white striped crimson; flesh snow white. Blooms late, is blight resistant, bears early, makes a good filler.
***Red Astrachan.** Large, beautiful deep crimson. (X)
***Yellow Transparent.** Earliest and best; white, tender, juicy, sprightly, sub-acid. Grows rapidly, bears young, and makes a profitable "filler." (X)

Terms: Net cash with order. No discounts allowed. In the various classes, we will furnish 5 or more of one variety and size at 10 rates; 25 or more (not less than 5 of one variety and size) at 100 rates. REMEMBER THAT WE EMPLOY NO AGENTS, and are responsible only for orders sent to us through the mail or delivered in person.

AUTUMN APPLES

- Autumn Strawberry.** Tender, juicy, productive.
***Duchesse of Oldenburg.** Good size, yellow, streaked red, juicy, sub-acid, productive. (X)
Fallwater. Large, yellowish green, productive.
Fall Pippin. Large, yellow, rich, aromatic.
Gravenstein. Large, brightly striped, fine quality.
Maiden Blush. Large, beautiful blush cheek. (X)
Munson Sweet. Good size, yellow, red cheek.
Rambo. Medium; yellow, streaked red. (X)
Western Beauty. Large, shaded bright red on pale yellow; crisp, tender, mild, sub-acid.
Williams Red. A handsome apple of oblong-conic form, medium sized. Its skin is bright red with only slight striping, this attractive color in conjunction with a very pleasant sub-acid flavor, making it popular for dessert. Aug.-Sept.

WINTER APPLES

- Baldwin.** Large, bright red, crisp, juicy, rich. (X)
Banana. Fine, vigorous grower, large, healthy foliage, early bearer. Fruit medium to large, smooth and handsome, golden yellow usually shaded bright crimson; flesh fine grained, rich, sub-acid, aromatic, highest quality. One of the best dessert apples. (X)
***Baxter.** A strong, vigorous grower, immensely productive, very hardy. Fruit uniformly large, handsome, showy red, mild acid, fine quality.
Ben Davis. Large, handsome, striped.
***Boiken.** Annual bearer, perfect foliage, vigorous grower. Fair size, yellow, tart acid, long keeper; at its best in spring when it is unexcelled for cooking.
Cortland. A derivation from McIntosh, adding distinct perfections to that already very perfect apple. The tree; hardy, thrifty, early producing and long lived. The fruits: abundant, large, round, and handsome; attractive to the eye with their heavy overlay of shaded reds; and delightful to the taste with their brittle texture, luscious juiciness, and sprightly flavor. Better than McIntosh, because the fruits hang tenaciously to the tree; they are 2 to 4 weeks later, thus correspondingly extending their keeping period; and they better withstand the wear and tear of going to market. All-in-all, a remarkably fine second season cropper for commercial orchards, equally good for cooking or dessert. Mail size, \$1.00 each. (X)



Duchesse of Oldenburg

"An Apple a day keeps the Doctor away."

WINTER APPLES—Continued

See illustration in color on second page of cover

Delicious. A remarkable recent novelty introduction, which has established its claim to first rank both for commercial and home orchards. Fruit large, nearly covered with brilliant dark red, flesh fine grained, crisp and melting, juicy, with a delightful aroma; of very highest quality. A splendid shipper, bearing annually. (X)

Dominie. (Winter Rambo.) Large, greenish yellow, striped red; flesh white, tender and juicy.

Ensee. A delightful example of modern improvement, originated in Ohio's central apple district. A dull red apple suggesting its Rome Beauty strain in size and form; the crisp, tender, yellow flesh comparing with Jonathan and Grimes Golden for flavor; retaining its juiciness much longer than either. Will rank high among late-keeping winter apples as it becomes more widely distributed and better known.

***Fameuse.** (Snow.) Med., deep crimson, flesh white. (X)

***Gano.** An improved Ben Davis, nearly covered red.

Gideon. Vigorous, early and prolific bearer. Medium golden yellow; fine, juicy, sub-acid.

Golden Russet. Medium, dull russet, crisp, juicy.

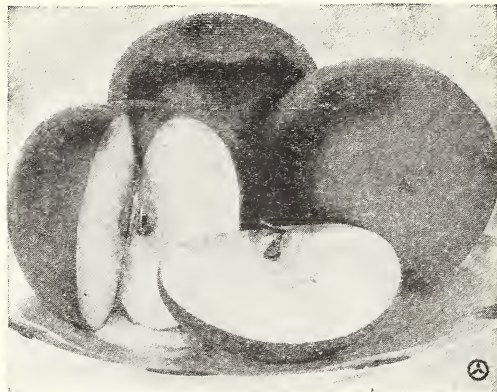
***Grimes.** Good size, yellow, of highest quality. (X)

Hubbardston. Large, red, striped, tender, juicy.

Jonathan. Medium; red, extra quality. One of the chosen kinds for evening eating. (X)

King (of Tompkins County). Unusually large, red and striped, exceedingly productive.

King David. An improved Jonathan, as to color and productiveness, not quite as good quality. Medium size, dark red, a splendid shipper and keeper. Tree hardy, strong grower, comes into bearing young.



McIntosh

***McIntosh.** Large, deep crimson, highest quality, juicy, sub-acid. Good for both culinary use and dessert. One of the best red winter apples. (X)

Northern Spy. Large, striped, mild sub-acid and tender, with a rich, delicious flavor. (X)

***Northwestern** (Greening). Hardy, yellow, rich, of good size; an extra long keeper, which makes it a stand-by to finish the winter for cooking purposes.

***Ontario.** Large, yellow, nearly covered with bright red, juicy, sub-acid.

Opalescent. Color light, shading to very dark crimson; skin smooth, susceptible of a very high polish, reflecting objects like a mirror; flesh yellowish, tender, juicy and good. Dec. to March.

Paradise Winter Sweet. Large; creamy, rosy cheeked.

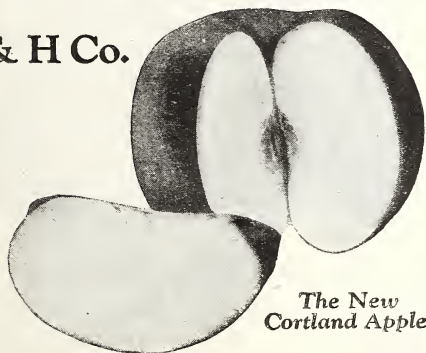
Paragon (Mammoth Black Twig). Large, dark red, hardy and productive, vigorous grower.

Rhode Island Greening. Large, greenish yellow, tender, juicy, rich, acid. The old reliable Winter cooking apple, and also good for dessert.

Rome Beauty. Large, yellow, shaded red; tender, juicy, sub-acid. A leader in Ohio River District. (X)

Seek-no-Further. A well remembered and still popular dessert favorite of the old orchards. Develops best in warm, free soil; the tree being very hardy, moderately vigorous, reasonably productive. Fruit is medium sized, round, firm, keeping nearly as late in storage as Baldwin. The flesh is creamy, pleasantly flavored; skin bronzy yellow, heavily oversplashed with dull red, russet dots conspicuous towards basin.

S & H Co.



The New
Cortland Apple

"Family" APPLE GROUP

A selection of choice varieties for family use—Summer, Fall and Winter.

Thrifty 4 to 5 ft. size.

Yellow Transparent

✓Duchesse

Stayman's Winesap

✓Rhode Island Greening

✓Cortland

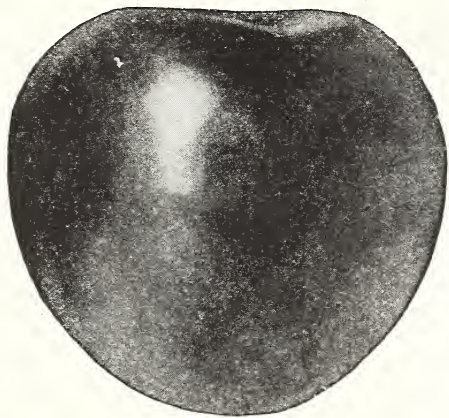
List Price \$3.10

The 5 TREES By
EXPRESS for

\$2⁸⁵



Jonathan



Wealthy Apple

WINTER APPLES—Concluded

Spitzenburg. An old favorite, long a standard general utility sort; equally enjoyable as dessert, or in the various culinary usages. Medium to large, all-over bright red, faintly darker striped and dotted. Flesh tinged with yellow, sprightly sub-acid, juicy and aromatic.

Stark. Large, striped light and red, juicy, mild, sub-acid. An early and abundant bearer.

Stayman Winesap. Larger and more prolific than Winesap. One of the finest grown for appearance, flavor and juiciness; a favorite for cider. (X)

Tolman. Medium, yellow and red, rich, sweet. The most valuable apple for baking, and otherwise fine.

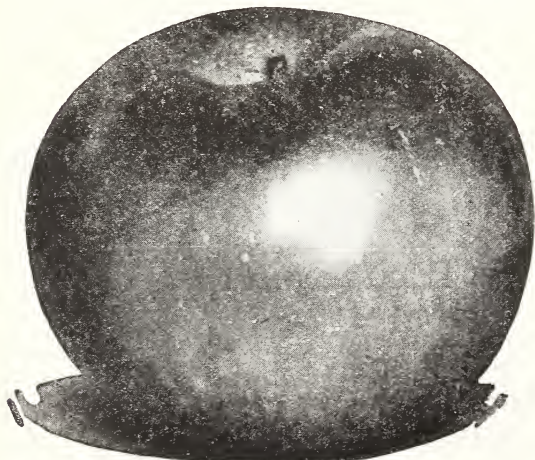
Twenty Ounce. Very large, yellow, striped red.

Wagener. Good size, deep red in the sun; flesh firm, sub-acid, excellent quality deserving more general appreciation and use. One of the earliest bearers.

***Wealthy.** Few varieties that are at once so hardy and so productive yield fruit of such good quality—white-fleshed, juicy and vinous; of medium size, smooth, round and deep red. Oct. to Jan. (X)

Winesap. Medium, deep red; firm, crisp, sub-acid.

York Imperial. (Johnson's Fine Winter.) Medium to large; yellow, shaded red; firm, juicy, sub-acid.



Cortland Apple

CRAB APPLES

For preserving, jellies and ornament. All are unequalled for cider or vinegar. The trees are noted for their hardiness and vigor and usually bear the second season after planting.

Florence. Originated in the rigorous climate of Minnesota, and popular throughout the west for its hardiness. Early; a beautiful carmine color.

Hyslop. Large; deep crimson; one of the most beautiful; very popular. Oct. to Jan. (X)

Martha. Beautiful, glossy yellow, shaded bright red, good size, mild, clear, tart. Oct.

Whitney. One of the largest, glossy green, splashed carmine, firm, juicy, pleasant, great bearer; excellent for cider. August.



(Read about this dwarf tree below)

DWARF APPLES

Always in Demand

Set trees 8 to 10 feet apart. Very productive, usually commence bearing the second year after planting. Excellently adapted to yard and small gardens. Can furnish: Baldwin, Delicious, Duchesse, McIntosh, No. Spy, Red Astrachan, Wealthy and Yellow Transparent only.

PRICE: 85 cts. each; \$7.50 per 10.

Bore Soon After Planting

Gentlemen: Two years ago last March I bought of you several trees, among them a dwarf Wealthy. It was very full of bloom in May and now has 14 large apples on it. It is a very attractive little tree. I enclose a picture of this tree growing in my back yard. S. L. Boyers, 97 Park Avenue, Delaware, Ohio, August 20, 1926.

Dwarf Apples can be planted in limited space.

PEARS

The Delicious Preserving Fruit

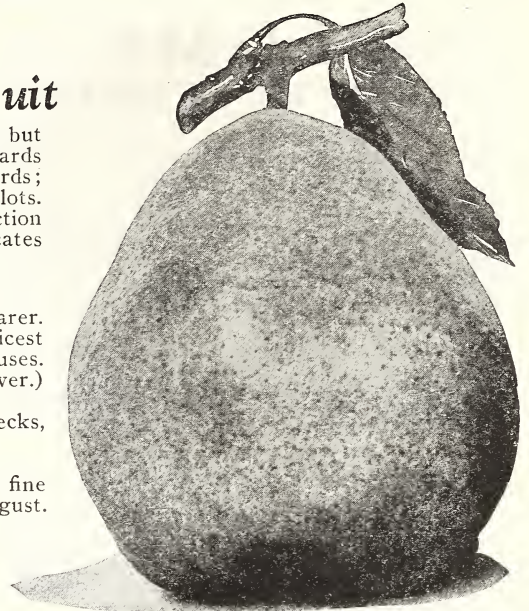
The Pear tree will grow on almost any good soil, but thrives best in a rather heavy clay or loam. Standards planted 18 to 20 feet apart, are best for permanent orchards; dwarfs at 10 feet intervals, for fruit gardens or small lots. Dwarfs must be planted deep enough to cover the junction of pear and quince 2 or 3 inches. This mark (X) indicates available mail size.

SUMMER PEARS

- ***Bartlett.** Large, buttery, juicy, high-flavored, great bearer. This sort has long been considered one of the choicest canning varieties, as well as a favorite for all other uses. (See illustration in color on second page of cover.) August. (X)
- ***Clapp.** Very large, yellow and dull red, with russet specks, melting, rich. August. (X)
- ***Tyson.** Medium, melting, juicy, good. August.
- ***Wilder.** Small to medium, yellow, shaded carmine, fine grained, tender, sub-acid. Vigorous grower. Early August.

AUTUMN PEARS

- ***Anjou.** Large, buttery, melting, rich, vinous. The best late fall and early winter variety. October to January. (X)
- ***Duchesse** (of Angouleme). Very large, buttery, rich, juicy, excellent. The most popular market variety as a dwarf. Oct. and Nov. (X)
- Flemish.** Large, juicy, rich; one of the hardiest and most popular. Sept. and Oct. (X)
- ***Howell.** Large, yellow, with red cheek, rich, sweet, melting, early bearer, productive. Sept. and Oct.
- ***Kieffer.** Its large size, handsome appearance, and remarkable keeping and shipping qualities make it very profitable for market. Oct. and Nov.
- ***Louise.** (Louise Bonne de Jersey.) Good size, greenish yellow, with a bright red cheek. Sept.-Oct.
- Rossney.** Ripens about 2 weeks after Bartlett, averaging larger; creamy skin with crimson blush;



Duchesse Pear

PRICE OF PEARS

	Each	Per 10	Per 100
Standard—General List, 5 to 7 ft.	\$1.00	\$8.50	\$70.00
Standard—General List, 4 to 5 ft.	.80	7.00	60.00
Standard—Bosc, 5 to 7 ft.....	1.50	12.50	....
Standard—Bosc, 4 to 5 ft.....	1.25	10.00	....
Standard—Seckel and Worden, 4 to 5 ft.....	1.00	9.00	....
Standard—Kieffer, 5 to 7 ft....	.75	6.50	50.00
Standard—Kieffer, 4 to 5 ft....	.65	5.00	40.00
Dwarf Pears, 4 to 5 ft.....	.85	7.50	70.00
Dwarf Pears, 3 to 4 ft.....	.75	6.50	50.00

Mail size (X)—75 cts each; 3 for \$2.00.

All varieties with (*) can be supplied in dwarf size.

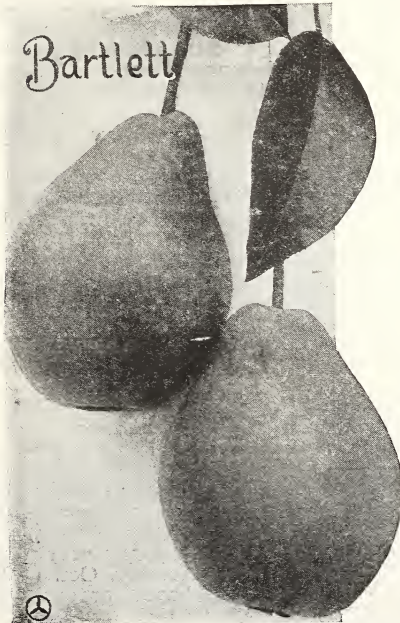
flesh melting, juicy, sweet and tender, of superior flavor. A vigorous grower, and very productive.

- ***Seckel.** Small; skin rich yellowish brown when fully ripe, with deep brownish red cheek; flesh very fine grained, sweet, exceedingly juicy, melting, buttery; one of the highest flavored pears known; for dessert and pickling. Sept. and Oct. (X)
- Sheldon.** Medium size; yellow, with a richly shaded cheek; flesh a little coarse, melting, juicy, with a very brisk, vinous highly perfumed flavor. Oct.
- ***Vermont Beauty.** Tree hardy and vigorous, and abundant bearer. Fruit medium yellow with red cheek; rich, juicy, best quality. Oct.
- Worden.** A seedling of the Seckel, equal in quality, while in flavor, size, color, form and appearance it is decidedly superior. Hardy and an enormous bearer; fruit keeps well, retaining its quality to the last. Oct.

WINTER PEARS

Winter Pears may be gathered late, then stored in any dry cellar and kept until early summer.

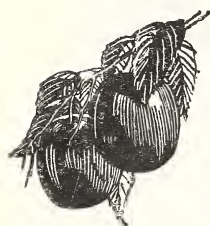
- Bosc.** Vigorous trees; finest quality, extra large, long and tapering; russet; good shipper, brings highest market price. Nov.-Dec. (X)
- ***Drouard.** Large, melting, juicy, delicate perfume. Tree hardy and vigorous. Feb. to March.
- Easter.** Large, yellow with red cheek; fine quality.
- ***Lawrence.** Medium, yellow with brown dots, melting, pleasant, aromatic. Nov. and Dec.



We have 1000 acres in general nursery stock.

PLUMS

Always Top the Market



The market for plums is rarely over-stocked, and they bring good profitable returns.

Annual sprayings with Bordeaux mixture keep away the leaf blight and fungus, and the thinning of too heavy crops of fruit prevents fruit rot. Plum trees are the best kind to set out in chicken yards; their full, rounded form furnishing abundant shade for the fowls, while the chickens

obligingly eat up the brood of insects which threaten the health of the tree.

Set trees 16 to 20 feet apart.

PRICE OF PLUMS

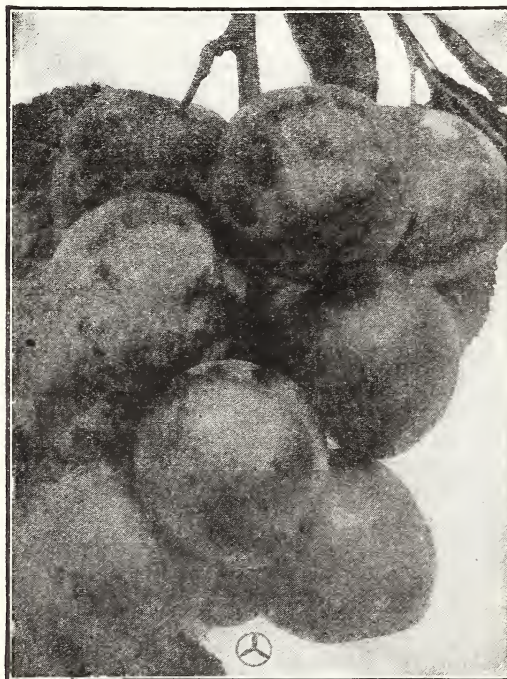
	Each	Per 10	Per 100
2 yr.—European and			
Japan, 5 to 7 ft.....	\$0.75	\$6.50	\$50.00
4 to 5 ft.....	.60	5.00	40.00
Prunus—Pissardi and			
Othello, 4 to 5 ft.....	1.00	9.00	.....
3 to 4 ft.....	.85	8.00	.....
2 to 3 ft.....	.75	7.00	.....
Native—Wild Goose,			
4 to 5 ft.....	.75	7.00	.....

Mail size (X), 75 cts., 3 for \$2.00.

EUROPEAN PLUMS

Archduke. Large, black, prolific. Early Oct.

Bavay's Green Gage. ("Reine Claude.") Large, round-ovate; green, marked with red in the sun;



Monrach



A glorious sight in Springtime

hang long on the tree. One of the best. Late Sept. (X)

Bradshaw. (See illustration in color on second page of cover.) Large dark red, flesh green, juicy, productive, fine for market. Aug. (X)

Diamond. One of the most attractive. Enormous size, dark purple with beautiful bloom. Tree vigorous, productive and hardy. Sept.

German Prune. Large, dark purple, sweet, good. One of the most popular for canning, because of its sweetness. Sept. (X)

Grand Duke. Color of Bradshaw; fruit very large, of fine quality, free from rot; very productive. Tree moderate grower. Last Sept.

Gueii. Large, bluish purple, flesh yellowish green, rather coarse; sweet, pleasant. Sept.

Imperial Gage. Large pale green, juicy, sweet, rich and excellent. Aug.

Italian Prune. (Fellenberg.) Good size, purple, juicy, delicious, fine for drying. Sept.

Lombard. Medium, violet red, juicy, good, hardy and exceedingly productive; probably the leading market variety, extensively used for pies. Aug. (X)

Monarch. Tree robust, dense foliage, and abundant bearer. Fruit very large, roundish, oval, dark purplish blue, perfect freestone. Follows Grand Duke in ripening. Oct. (X)

Moore's Arctic. Small, purplish-black, juicy, sweet, immense bearer; one of the hardiest in bud and bloom. Sept.

Peters Yellow Gage. Large, oval, bright yellow; rich, juicy, fine quality. A good grower. Sept.

Pond. A magnificent plum, red, changing to violet. Sept.

Shippers' Pride. Large, dark purple, very showy, often measuring 2 inches in diameter; fine, juicy and sweet. Sept.

Shropshire Damson. Medium, dark purple, very productive; one of the best for preserving. Oct. (X)

Yellow Egg. Very large, egg-shaped, productive, excellent for cooking. Aug. (X)

Plums are not so difficult to grow as "they say".

JAPAN or ORIENTAL PLUMS

The Japanese Plums are strong growing ornamental trees with light green foliage and attractive bloom, wonderfully productive and usually commence bearing the second or third year after planting. Fruit of nearly all varieties are large, fine quality, with firm, meaty flesh. They bloom very early; not adapted to sections subject to late spring frosts.

Abundance. (Botan.) One of the oldest and best varieties; hardy, productive. Fruit large, lemon yellow, with heavy bloom; good quality. Aug.

Burbank. Most profitable among growers for market; ripens 10 days after Abundance. Tree hardy sprawling vigorous grower, unequaled in productiveness; bears young. Fruit large, excellent quality; cherry red, with lilac bloom. Aug. (X)

Maynard. Sturdy, strong and very rapid grower, with heavy luxuriant foliage. Fruit is very large, nearly round, color deep, dull red, thin whitish bloom. Flesh firm, melting and juicy, rich and sweet, extra fine quality. Its shipping qualities are unsurpassed. Follows Climax in ripening.

October Purple. A strong, vigorous grower, hardy, productive, of good quality; a large, round, late purple plum, especially recommended for late market.

Red June. One of the vigorous, upright growers; productive; fair size, vermilion red; pleasant quality. Ripens a week before Abundance. Aug.

Santa Rosa. Tree a strong, vigorous, upright grower. Fruit uniformly large, deep purplish crimson with blue bloom; flesh purple shaded scarlet; pit small; the eating quality is rich; fragrant, delicious; early.

Wickson. Fruit remarkably handsome, very large, long heart-shaped, color deep maroon red covered with white bloom; flesh firm and meaty, yellow, rich and aromatic; cling; pit small. Tree an upright vigorous grower. Excellent keeper and shipper, planted largely for market. Early Sept.

MISCELLANEOUS PLUMS

Othello. Tree is an upright grower, and a prolific bearer; fruit deep crimson, about 1 inch in diameter, ripening before the very earliest of ordinary plums. The foliage is of the most brilliant reddish purple, and holds its color throughout the season.

Prunus Pissardi (Purple Leaved). A small sized tree with very rich purple leaves, carrying their color throughout the season. Although highly ornamental with its valued purple foliage, and profusion of white spring bloom, its fruit is valueless. (X.) Further described under Shrubs.

Wild Goose. (Native.) A very hardy and reliable native variety, valued for its own desirability, as well as because in some rigorous climates, none but the native type will survive. It bears delightfully juicy and sweet fruit in July; medium size, red with blue bloom.



How to Prune Fruit Trees



FRUIT growers agree that for best results, some pruning is necessary on nearly all trees, but they differ as to the kind and amount and the time of pruning. For the home orchard, the trees should be gone over once each season and where limbs are crowding, they should be thinned out enough so that they do not rub or interfere one with the other. Best results are usually obtained when this is done in late winter or early spring. All cuts should be made smooth with the shoulder which extends slightly out from the body. Do not leave any stubs, but cut close up to the shoulder. Wounds of an inch or more across should be covered with White Lead paint or good pruning compound. Do not use barn paint or any coal-tar paint.

Do not trim lower limbs off to make high headed trees. Low, compact heads stand the windy conditions of the Central West, better than high-open-topped trees. Just use common sense in thinning out the limbs, cutting out the most undesirable, where two limbs are interfering one with another. If you go over your trees in this manner once each year, your trees will be sufficiently pruned for this section of the country. Heavy later pruning can be avoided if care is taken the first two seasons after planting, to see that the heads are properly formed. It is important to get the right frame limbs for the tree right at the start. If this is properly done, less later pruning will be required. The same general practice should apply to Cherry and Plum trees as for Apple.

Cultivation. Frequent shallow cultivation will produce a dust mulch and conserve much needed moisture in the soil. That is the most practical method of handling larger plantings. It should not be continued after the middle of August, otherwise the trees may not have time to mature and harden in preparation for winter.

The disc and harrow are excellent tools to use in the young orchard where inter-cropping is not practiced. However, for several years, the ground between the young fruit trees may be utilized to good advantage by cropping with corn, potatoes, or other vegetables.

In all cases a cultivated crop should be planted. Care should be exercised, however, when cultivating inter-crops, to avoid barking or injuring the trees in any way. The inter-crop is usually beneficial to the trees, as it affords some protection against the summer sun, especially corn or other high growing crops, and it acts as a catch for snow for winter, which is a benefit to the trees. If clean cultivation is practiced without inter-cropping, this should be thorough up until August 15th or September 1st at least, and then the grass and weeds should be allowed to grow up to act as a winter cover crop and to catch the snow.

Shropshire Damson Plums



PEACHES

Yield Profitable Returns



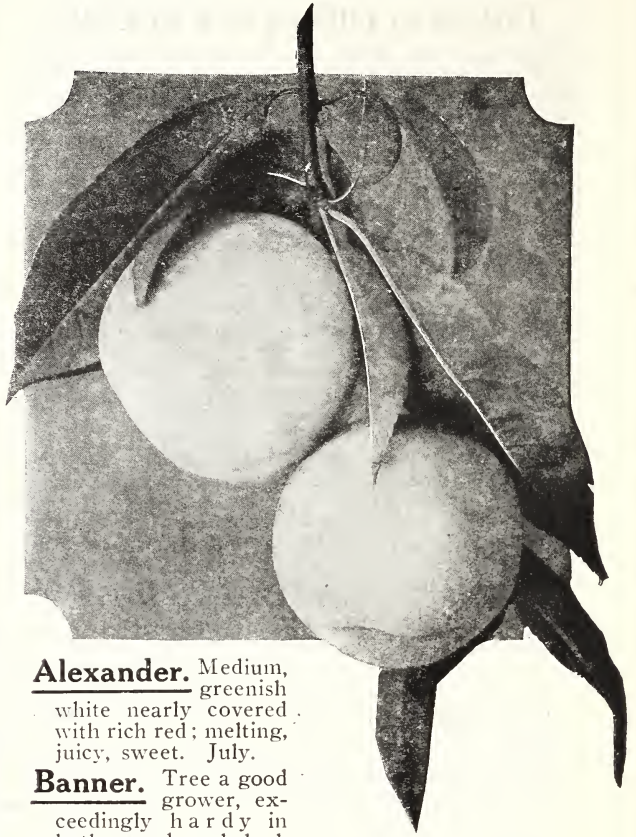
Thrifty orchards of virile, well-grown Peach trees have done much to bring wealth to many a farmer in the great Peach belts of Ohio and Michigan; and serve as living memorials to the virility, health and quality of the nursery stock sent out by "The Painesville Nurseries." Our nurseries have been the main source of supply during half a century, for hundreds of the finest Peach Orchards in the country. Aside from the established policy of propagation, care and cultivation, the location of our propagating fields, close to and overlooking the health-giving waters of Lake Erie, and far removed from old orchards which might spread infection, probably has much to do with the unbounded success and popularity of our salable trees.

Trees are all grown from Tennessee natural pits, free from insects, perfectly healthy, well ripened wood, with splendid roots, all stored in frostproof cellars beyond injury during the winter. **Set trees 16 to 18 feet apart.**

Price of Peaches

	Each	Per 10	Per 100
4 to 5 feet.....	\$0.45	\$3.50	\$30.00
3 to 4 feet.....	.40	3.00	25.00
2 to 3 feet.....	.30	2.00	15.00

Mail size—All varieties listed—45 cts.; 5 for \$2.00.



Carman Peach

Alexander. Medium, greenish white nearly covered with rich red; melting, juicy, sweet. July.

Banner. Tree a good grower, exceedingly hardy in both wood and bud, bears young, is very productive. Fruit large, deep yellow with crimson cheek; flesh yellow, excellent quality, rich, firm; equal to any as a keeper and shipper. A profitable late market variety. Late Sept.

Barnard. Medium, yellow, juicy and rich. Hardy and productive. Early Sept.

Beers. A large, yellow flesh peach, an improvement on Smock Free, which it resembles. Ripens a few days later and is a better annual bearer. One of the most desirable and profitable market sorts, a favorite for late canning.

Belle. (Belle of Georgia.) Very large; skin white with red cheek; flesh white, firm and of excellent flavor. Tree a rapid grower, very prolific. Ripens with Crawford's Early.

Carman. Large, resembles Elberta in shape; color, creamy white or pale yellow with deep blush, skin very tough, flesh tender, fine flavor, quite juicy. August.

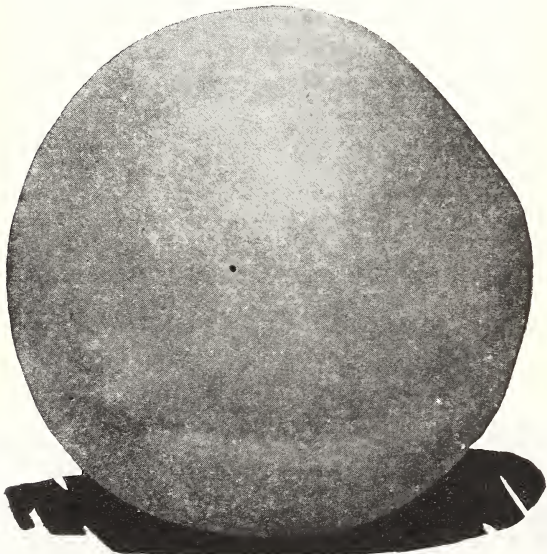
Champion. Large variety, creamy white, red cheek, sweet, rich and juicy. Hardy and productive. Aug.

Crosby. One of the hardiest; abundant, medium, bright yellow, fine quality. Middle Sept.

Dewey. Hardy, productive, earliest and best yellow freestone. July.

Early Crawford. A magnificent yellow. Early Sept.

Early Elberta. Ripens about a week earlier than Elberta; otherwise the same, or a trifle better quality.



Rochester

There is a smile in every Peach

PEACHES—Concluded

Elberta. Large, yellow, with red cheek; flesh yellow, firm, juicy, of high quality. Exceedingly prolific, sure bearer and hardy. The leading market variety. Follows Early Crawford.

Engle. Large, yellow; resembles Late Crawford but more productive. September.

Fitzgerald. Fruit large; bright yellow, suffused with red; flesh deep yellow, best quality. September.

Gold Drop. Medium size, hardy, very productive, good quality, early bearer. Late September.

Heath Cling. Very large, flesh white, juicy and melting. Good keeper and shipper. One of the prime favorites among clingstones. October.

Hill's Chili. Medium dull yellow. Extra hardy and productive. Late September.

J. H. Hale. Probably no new peach has ever been introduced claiming to be so much superior in all ways. It averages one-third to one-half larger than Elberta, ripens about five days earlier and is much superior in flavor. Color a beautiful golden-yellow, with deep carmine blush. (See illustration on second page of cover.)

Kalamazoo. A leading market sort. Large, yellow, fine quality. Productive and profitable. Early September.

Late Crawford. A superb, large, yellow peach. One of the best. Late September.

Lemon Free. Lemon-shaped and colored, large size, immensely productive, excellent quality. One of, if not the best, for canning. September.

Mayflower. Bright red cheeked. Carries to market in fine shape and sells well, as it is the only early peach that is well colored. Inclined to overbear, it should always be thinned. July.

Mountain Rose. Large, red, flesh white, juicy, excellent; one of the best. August.

Old Mixon Free. Large, pale yellow, deep red cheek, white flesh, tender, rich, good. September.

Prolific. Large, attractive, firm, flesh yellow, fine flavor; hardy, productive. September.

Rochester. A quite early yellow freestone (ripening about August 10), with extraordinary sweetness and quick bearing. Fruit is large, yellow, sweet, juicy and of delicious flavor; keeping and shipping well; skin prettily blushed. Tree is strong growing and hardy, an annual and prolific cropper.

Salberta. A highly successful cross between Salway and Elberta, conserving the size, quality and productiveness of Elberta for the more profitable later picking due to Salway's influence. Two to three weeks later than Elberta, richly yellow and succulent, it is bound to briskly rival the Smock for market supremacy during the latter's well established season.

*Niagara*

Niagara. A very large, yellow peach, ripening between Crawford and Elberta; surpassing both in size, color, quality and vigor.

Salway. Large, creamy yellow, red cheek, flesh deep yellow, juicy, rich, sweet. October.

St. John. Nearly as large as Crawford, fully equal in color. Fruit round, brilliant, showy; one of the earliest yellow peaches. August.

Stump. Large, white, bright red cheek. End of September.

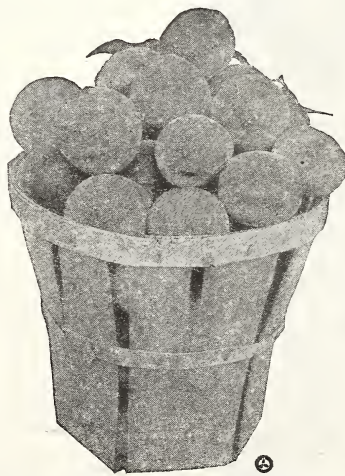
Triumph. Ripens with Alexander, blooms late, sure and abundant bearer; strong, vigorous grower. Fruit good size yellow with red crimson cheek.

Williams. Large, handsome, hardy, very productive, excellent shipper. One of the most profitable clingstones. Mid. September.

WELL PLEASED

Gentlemen: A peach tree planted in the spring of 1925, this year (1926) had 33 peaches on. * * * I had over 20 trees with peaches on, anywhere from 1 to 15 to the tree. And these were all planted in 1925. (Aug. 24, 1926.)

THOS. S. RUNZO,
Indiana, Pa.

*Elberta on the job*

S & H Co.
"Select Six"
Popular Peaches

at a Bargain Price

Early—Medium—Late
All you need for family use.

Strong 3 to 4-foot size.

Champion
Rochester
Carman
Elberta
Yellow St. John
Lemon Free

List Price \$2.40

The 5 TREES by **\$2¹⁵**
EXPRESS for.....

CHERRIES

Make Delicious Pies.



Naturally hardy, succeeding best on sandy or gravelly loam, well drained. Avoid low or wet ground. **Sweet** varieties grow more rapidly and make larger pyramidal trees. Set trees 18 to 20 feet apart. The **Sour** varieties are dwarf and bushy, bear earlier; are more largely planted. Set trees 15 to 18 feet apart.

PRICE OF CHERRIES

	Each	Per 10	Per 100
Sweet, 5 to 7 feet.....	\$1.10	\$10.00	\$90.00
Sweet, 4 to 5 feet.....	.90	8.00	70.00
Sour, 4 to 5 feet.....	.90	7.50	60.00
Sour, 3 to 4 feet.....	.75	6.00	45.00
Sour, Large Montmorency			
4 to 5 feet.....	.95	8.00	65.00
3 to 4 feet.....	.80	6.50	55.00

Mail size (X)—Sweet, \$1.00; 3 for \$2.75

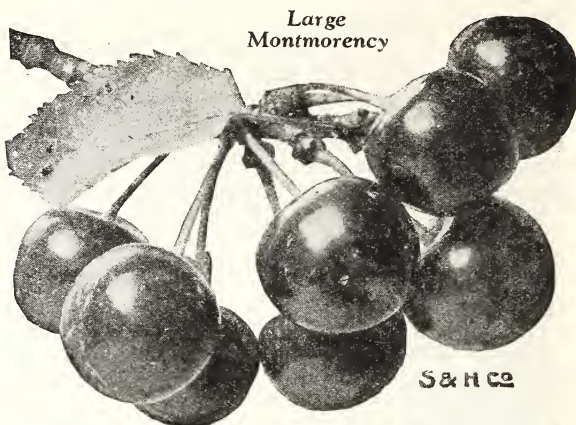
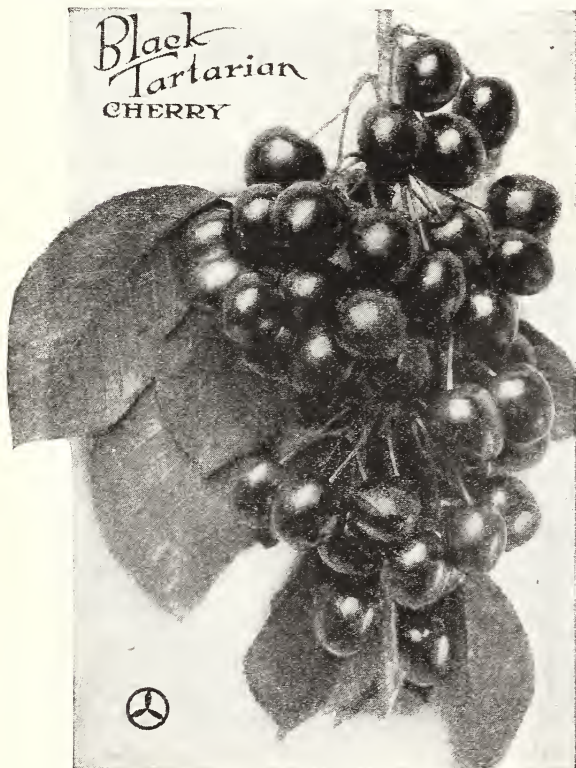
Mail size (X)—Sour, 80 cts.; 3 for \$2.25.

SWEET CHERRIES

You will note in the descriptions that these come in three distinct colors—red, black and yellow—and cover two months in their fruiting seasons.

Bing. Very large, dark brown—almost black; flesh firm, sweet, rich and delicious. One of the most profitable sorts. July. (X)

Black Tartarian. Very large, black, juicy. Last of June. (X)



Gov. Wood. Large, light red, juicy, rich, delicious. Tree healthy and productive. June. (X)

Lambert. Jet black when fully ripe. Flesh firm, solid, rich and juicy. Tree rugged, strong grower, hardy, enormous bearer. (See illustration in color on second page of cover.) Late July. (X)

Napoleon. (Royal Anne.) Large, pale yellow or red; firm, juicy, sweet and productive. July. (X)

Schmidt. Immense size, deep black, flesh dark, tender, very juicy, fine flavor; productive. July. (X)

Windsor. Fruit large, liver-colored, distinct, flesh remarkably firm and of fine quality. Tree hardy and prolific. A valuable late variety. July. (X)

Yellow Spanish. Large, yellow and red. June. (X)

SOUR CHERRIES

Baldwin. Large, round, slightly sub-acid, sweetest and richest of the Morello type. June.

Dyehouse. A sure bearer, largely planted for early market; ripening a week before Early Richmond, which it closely resembles. June.

Early Richmond. A dependable variety which seldom misses a crop. Medium, dark red, melting, juicy, sprightly, rich acid, best. Late June. (X)

English Morello. Fair size, blackish red, rich acid, juicy, good. This is a favorite variety for late canning. August. (X)

Hortense. (Reine Hortense). Large, bright red, juicy; mildest, sweetest in this class. July.

Large Montmorency. Large, red, productive, ten days later than Early Richmond. July. (X)

Late Duke. Large, light red, delicious fruits. Tree strong and upright, very productive. July.

May Duke. Large, red, juicy, rich. June. Not so sour as some varieties, and very pleasant for sensitive teeth.

Montmorency Ordinaire. Large, red, acid, exceedingly productive. Late June.

Wragg. Very hardy, vigorous and productive. medium, dark purple, fine quality. August.

NECTARINES

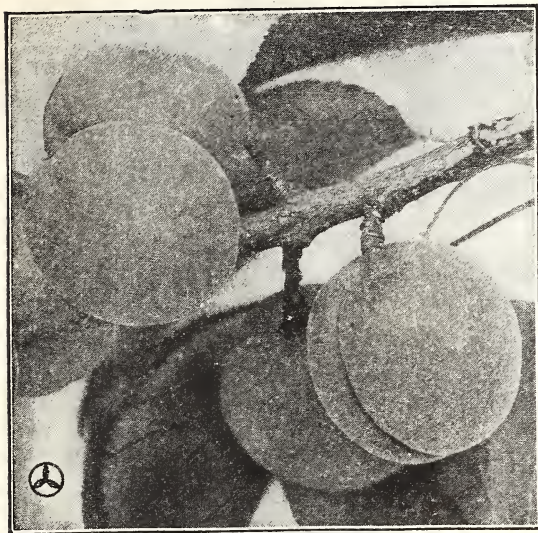
The Nectarine has a smooth skin like the plum, and requires the same treatment for curculio. It is like the peach in other ways and requires the same culture. Its pungent, sprightly flavor is remindful of both, but with an added deliciousness all its own. Set trees 16 to 18 feet apart.

PRICE OF NECTARINES: 4 to 5 feet, 85 cts. each; \$7.50 per 10. 3 to 4 feet, 75 cts. each; \$6.50 per 10.

Boston. Bright yellow, red cheek; flesh yellow.

Red Roman. Greenish yellow, red cheek; flesh golden.

No home grounds are complete without a few cherry trees.



Superb Apricot

APRICOTS

Their fruit ripens between Cherries and Peaches. The trees, as hardy as the Peach, should be planted on a northern or western exposure to prevent early blooming. They need the same treatment for curculio as the Plum. Set trees 16 to 18 feet apart.

PRICE OF APRICOTS

	Each	Per 10
General List, 4 to 5 feet.....	\$0.80	\$7.00
General List, 3 to 4 feet.....	.65	5.00
Hungaria's Best, 2 to 3 feet.....	1.00	9.00

Mail size (X)—50 cts., 3 for \$1.25.

HUNGARIA'S BEST. Original tree of this has not failed in bearing throughout a long term of years, thus insuring us of its hardiness. Valuable to us of the North; who appreciate growing our own Apricots. Tree grows to immense size, the fruit of large size and good quality, beautifully colored a deep yellow, with yellow flesh, very fine flavor. Plant trees 25 to 30 feet apart.

EUROPEAN VARIETIES

Early Golden. Small, pale orange, juicy, sweet. (X)

Montgamet. Fruit large, round, early, deep yellow with a fine blush; flesh yellow, firm, juicy and excellent. Tree hardy, a good grower.

Moorpark. Yellow, with red cheek, juicy, sweet and rich, freestone, very productive. (X)

Royal. Large, yellow, juicy, rich and delicious; a very fine variety.

RUSSIAN VARIETIES

These are quite distinct from the European varieties, harder and will produce fruit when other apricots fail. Recommended where peaches cannot be grown.

Alexander. Prolific early freestone; orange with red blush.

Alexis. Large size, sub-acid, yellow with red blush.

Superb. A hardy seedling from Kansas. The best flavored, most productive hardy apricot yet produced. Medium size, light salmon color. (X)

MULBERRIES

Sweet, juicy cylindrical fruits in season succeeding the Cherries. Seldom picked off the trees, but gathered up after they have dropped, from clean grass purposely grown beneath and kept close-cropped.

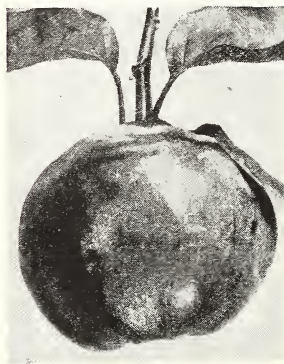
Downing. Fruits 1 to 2 inches long by $\frac{1}{2}$ inch thick; juicy, with sprightly, sugary, vinous flavor. Maroon, maturing to intense blue black. (X)

New American. Equal to Downing in all respects, and a much hardier tree. Vigorous grower, very productive; ripening from June to September; the best large fruiting variety for northern section. (X)

Russian. Very hardy, vigorous grower; valuable for feeding silk worms, for hedges, fences and waste food supply in poultry yards. Fruit of small size, varies in color from white to black.

PRICE OF MULBERRIES

	Each	Per 10	Per 100
Russian, 4 to 6 feet.....	\$0.60	\$5.00	\$45.00
Russian, 3 to 4 feet.....	.50	4.00	35.00
New American and Downing—			
4 to 5 feet.....	1.50	.....	.....
3 to 4 feet.....	1.25	.....	.....



Orange Quince

QUINCES

Set trees 10 to 12 feet apart.

The Quince crop is usually reliable and not often destroyed by capricious weather variations. The fruits are highly regarded for preserving, for jelly, and, above all, for that delectable, golden composition, "Quince Honey." Both fruit and flowers are quite fragrant, and the trees and bloom highly ornamental.

PRICE OF QUINCES

	Each	Per 10	Per 100
4 to 5 feet.....	\$1.00	\$9.00	\$80.00
3 to 4 feet.....	.85	7.50	65.00

Mail size (X)—75 cts.; 3 for \$2.00.

Champion. A prolific, very young and constant bearer, fruit averaging larger than the Orange, more oval in shape; quality equally fine, and a long keeper. Ripens late. (X)

Meech. A vigorous grower and immensely productive. The fruit is large, lively orange yellow, of great beauty and delightful fragrance; its cooking qualities are unsurpassed.

Orange. Fruit large, bright yellow, of excellent flavor. October. (X)

Rea. A seedling of the Orange, averaging much larger, of the same form and color; productive.

Quinces make the most delicious of jellies.

GRAPES for Wines, Jellies and Desserts



EVEN under unfavorable conditions the grape-vine will bear fruit, but good culture, pruning and spraying should be applied if the best quality of fruit is desired. No part of the fruit garden yields a richer harvest than the vineyard. Along almost any garden fence or walk there is room for vines enough to furnish luscious grapes from August to October. In such situations they may be planted about 8 feet apart. In vineyard rows set the vines 6 to 10 feet apart, with 8 feet of space between the rows. Make the soil mellow, and plant the vines somewhat deeper than they stood in the nursery.

We have splendidly rooted, first-class vines on hand; write for special prices on large lots.

PRICES OF GRAPE VINES

	Special Mail	Each	Per 10	Per 100	Per 1,000
Agawam, 1 year....	.....	\$0.20	\$1.50	\$12.00	.....
Agawam, 2 years..	.....	.25	2.00	16.00	.....
Brighton, 1 year....	.....	.35	3.00	25.00	.....
Brighton, 2 years..	.....	.45	4.00	35.00	.....
Caco, 1 year.....	\$0.75	.60	5.00	40.00	.....
Caco, 2 years.....	.90	.75	6.50	55.00	.....
Campbell, 1 year..	.....	.20	1.80	15.00	.....
Campbell, 2 years.	.....	.30	2.50	20.00	.....
Catawba, 1 year....	.....	.20	1.50	12.00	.....
Catawba, 2 years..	.....	.25	2.00	16.00	.....
Concord, 1 year....	.....	.10	.90	7.00	\$50.00
Concord, 2 years..	.....	.15	1.25	10.00	75.00
Delaware, 1 year..	.....	.30	2.50	.....	.....
Delaware, 2 years.	.....	.40	3.50	.....	.....
Diamond, 1 year....	.....	.20	1.50	12.00	.....
Diamond, 2 years..	.....	.25	2.00	17.00	.....
Green Mt., 1 year..	.65	.45	.....	.....	.....
Green Mt., 2 years	.90	.60	.....	.....	.....
Ives, 1 year.....	.....	.25	2.00	16.00	.....
Ives, 2 years.....	.....	.30	2.50	20.00	.....
King, 1 year.....	.50	.40	3.50	.....	.....
King, 2 years.....	.60	.50	4.50	.....	.....
Lucile, 1 year.....	.....	.30	2.50	20.00	.....
Lucile, 2 years.....	.....	.35	3.00	25.00	.....
Moore's Early—					
1 year .....	.....	.20	1.50	10.00	.....
2 years .....	.....	.25	2.00	14.00	.....
Niagara, 1 year....	.....	.15	1.00	7.00	60.00
Niagara, 2 years..	.....	.20	1.50	10.00	90.00
Pocklington, 1 yr..	.....	.30	2.50	18.00	.....
Pocklington, 2 yrs	.....	.40	3.50	22.00	.....
Regal, 1 year.....	.45	.35	3.00	25.00	.....
Regal, 2 years.....	.50	.40	3.50	30.00	.....
Salem, 1 year.....	.....	.25	2.00	15.00	.....
Salem, 2 years.....	.....	.35	3.00	20.00	.....
Worden, 1 year....	.....	.20	1.50	10.00	75.00
Worden, 2 years..	.....	.25	2.00	14.00	100.00
Wyoming, 1 year..	.....	.25	2.50	16.00	.....
Wyoming, 2 years	.....	.30	2.50	20.00	.....

By Mail { Unless noted, 1-yr. vines, 30 cts.; 4 for \$1.00
Unless noted, 2-yr. vines, 45 cts.; 3 for 1.00



Worden

BLACK GRAPES

Campbell. Strong grower, with large, healthy foliage; productive. Ripens with Moore's Early. Bunch and berry large glossy black with blue bloom, sweet and juicy, seeds few and small, part readily from the pulp. 1-year, 20 cts.; 6 for \$1.00.

Concord. The leading market, vineyard and home garden variety, with which all others are habitually compared. No matter how small the number of grapes planted in the yard, Concord is almost sure to be included; and in regular vineyards throughout the country, Concord has been depended upon for the main crop. 1-year, 20 cts. 6 for \$1.00.

Ives. Berries and compact bunches, medium size; excellent wine quality.

King. Is as hardy and strong a grower as the Concord, pulp more tender, flavor nearly the same, but more sprightly, ripening just after Worden. The berry is too large and bunch too compact to make it a good long distance shipper, but for local high priced trade or family use it is one of the best. 1-year, 50 cts.; 2 years, 60 cts.

Moore's Early. Bunch medium, berry large round with heavy bloom, vine exceedingly hardy. Its earliness makes it desirable for an early market and particularly adapts it to Canada and the north; also succeeds admirably in the south.

Worden. Resembles Concord, but is sweeter, larger in bunch and berry, and a week to ten days earlier.

Order your grapes early to make sure. We will ship your order at just the right time.

RED or AMBER GRAPES

Agawam. Berries large, thick skinned, sweet, aromatic, sprightly. Closely follows Concord, keeping much longer.

Brighton. High quality, handsome, large, productive, adaptable. One of the most popular reds.

Caco. A new variety originating in Delaware and widely heralded as the very best red grape known. Its name and derivation is a combination of Catawba and Concord. The vines are strong and vigorous, as yet untouched by disease of any kind. The fruit is very large in handsome, complete bunches; in color a rich wine red over amber. Exceptionally early bearing, usually showing several good-sized bunches the second year. Its flavor is luscious, sweet, delightful, distinctive. 1-year, 75 cts.; 2 years, 90 cts.

Catawba. A great wine grape; fine for dessert; an extra long keeper. Ripens late; when fully ripe, color dull copper red, flavor richly sweet and musky.

Delaware. The exquisite little American dessert grape. Handsome, reliable, very highest quality, with an unmatched spiciness and sweetness.

Lucile. A beautiful bright color, berry and bunch of good size; extremely prolific; in season with or before Worden. The vine growth is prodigious, clean and immune, one of the hardiest. Fruit flavor is foxy and peculiar, but sweet even before fully ripe.



The New Caco Grape

Regal. Very hardy, having endured thirty degrees below zero without injury. A short, jointed, vigorous and healthy grower; ripens its wood early. Exceedingly productive, the cluster medium to large, cylindrical, very compact and alluring; berries very large, dark red, juicy, piquantly flavored; pulp tender, seeds easily freed; skin thin but tough. 1-year, 45 cts.; 2 years, 50 cts.

Salem. A good, reliable variety, well colored; sprightly flavored.

Wyoming. Hardy, early, productive, good sized in bunch and berry; brisk, sweet flavor.

WHITE GRAPES

Diamond. The leading early white grape, ripening slightly before Niagara, between Worden and Concord. White, with rich yellow tinge, juicy; few seeds, almost free from pulp, excellent quality; above medium size, adheres firmly to stem.

Green Mountain. (Winchell.) An extra early variety from Vermont. Skin thin, pulp tender and sweet, quality superb. Bunch and berry medium size. Vine hardy, vigorous and productive. 1-year, 65 cts.; 2 years, 90 cts.

Niagara. The standard white grape, occupying the same position among the white varieties as Concord among the black. Bunch and berries larger, greenish white changing to pale yellow when fully ripe. Skin thin but tough; a rampant grower, good for arbors.

Pocklington. Beautiful golden color when ripe, enhancing the delight of its luscious sweetness and individual flavor. Ripens late and keeps well. It is juicy and tender, with very little pulp.



Niagara Grapes

The new Caco Grape is a winner.

CURRANTS

See Quarantine Note Below.



Hardy, easily cultivated, standing neglect well, and liberally responding to cultivation and generous treatment; indispensable for table use, jellies, etc.; and large quantities are required for market.

Set 4 feet apart in rich ground; cultivate well or mulch heavily; prune out old wood so that each remaining shoot will have room to grow. If the currant worm appears, dust with hellebore.

Currant bushes in verdant prime are quite ornamental; often used to divide rear lawn and garden.

RED CURRANTS

Cherry. Large berries on short clusters; a robust, fruitful sort. The vigorous, stocky bushes produce great quantities of bright red fruit. The berries have thin skins, and possess a remarkably fine flavor.

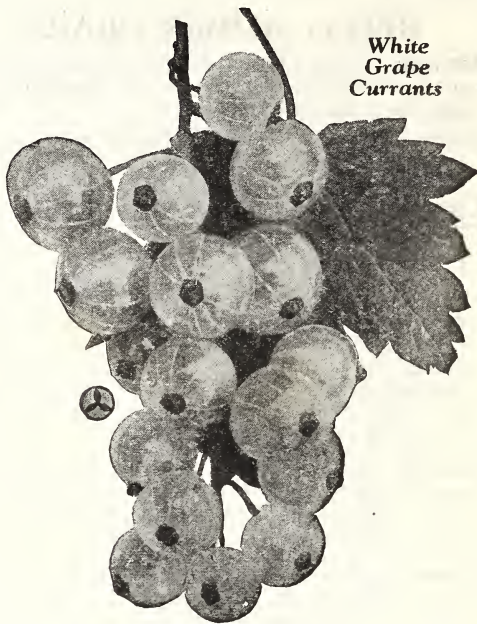
Fay. Of unprecedented popularity, and long the leading market variety over a wide section of country. Extra large stems and berries, uniform in size, easily picked, exceedingly productive.

London Market. For many years this variety has been fruiting in Michigan where it is regarded as the best market variety of that great fruit state. Plant is extremely vigorous with perfect foliage, which it retains through the season; an enormous cropper. For any use—home garden or market—one of the best.

Perfection. A cross between Fay's and White Grape, retaining the valuable characteristics of both parents. Beautiful, bright red, holding its large size to end of bunch; easy to pick; a superior bearer, less acid and of better quality than any other large currant in cultivation. By mail—1-year, 40 cts.; 3 for \$1.00.



Perfection



White
Grape
Currants

Wilder. Compared with the celebrated Fay is equal in size, with longer bunch, better in quality, with much less acidity, ripens at same time, continues on bunch much longer, fully as prolific. This old variety has come to be one of those popular types selected by the average person who wants just a few bushes for family use; probably because the berries are really good size, the bunches showy, and its reputation for reliable cropping is passed on by word of mouth.

WHITE CURRANTS

White Grape. Very large; yellowish white; sweet or very mild acid; valuable for the table and for making a choice wine.

PRICE OF CURRANTS

	Each	Per 10	Per 100
Cherry, 1 year.....	\$0.15	\$1.20	\$10.00
Cherry, 2 years.....	.20	1.50	12.00
Fay, 1 year.....	.15	1.20	7.00
Fay, 2 years.....	.20	1.50	9.00
London Market, 2 years....	.20	1.50	12.00
Perfection, 1 year.....	.30	2.50	20.00
Perfection, 2 years.....	.35	3.00	25.00
Wilder, 1 year.....	.15	1.20	7.00
Wilder, 2 years.....	.20	1.50	9.00
White Grape, 1 year.....	.20	1.50	10.00
White Grape, 2 years.....	.25	2.00	14.00

Unless noted, 1-year, by mail, 30 cts.; 4 for \$1.00.

NOTICE:

CURRENT, GOOSEBERRY and WHITE PINE QUARANTINE. Our customers in the WEST will please bear in mind that we are not allowed by the National Department of Agriculture to serve you in the matter of Currants, Gooseberries or Five-leaf Pines. Not that S. & H. stock is affected by "Blister Rust," but because Quarantine No. 26 arbitrarily excludes these articles from entrance into the territory west of Minnesota, Iowa, Missouri, Arkansas and Louisiana, in order to protect the great Pine forests of the west.

BLACKBERRIES

Should be planted in rows 6 to 7 feet apart, 3 to 5 feet in the row. Keep the ground light and rich. Pinch the canes back at 4 feet in height.

PRICE OF BLACKBERRIES

	Per 10	Per 100
Blowers	\$0.75	\$5.50
Early Harvest, and Snyder.....	.60	4.00
Eldorado, and Mersereau.....	.70	5.00
Lucretia Dewberries.....	.60	4.00

Blowers. Originated in the celebrated small fruit belt of Chautauqua County, N. Y. Claimed to be the hardiest and most productive, and to bring on the market the highest price of all blackberries. Has produced 2,694 berries on one bush, 2,720 quarts on one-third acre. Large size, jet black, good shipper, best quality, unexcelled productiveness are the main characteristics of this splendid new sort.

By mail, 15 for \$1.35; 100 for \$6.00.

Early Harvest. Not entirely hardy in the north and needs winter protection. Its earliness, combined with good shipping qualities, make it very profitable. Compact dwarf grower, enormous bearer. Fruit medium size.

By mail, 10 for 95 cts.; 100 for \$4.75.

Eldorado. The vines are very vigorous and hardy, enduring the winters of the far northwest without injury, and their yield is enormous. Berries large, jet black; borne in large clusters, and ripen well together, they are very sweet, melting and pleasing to the taste; have no hard core, and keep eight or ten days after picking with quality unimpaired. By mail, 15 for \$1.25; 100 for \$5.75.

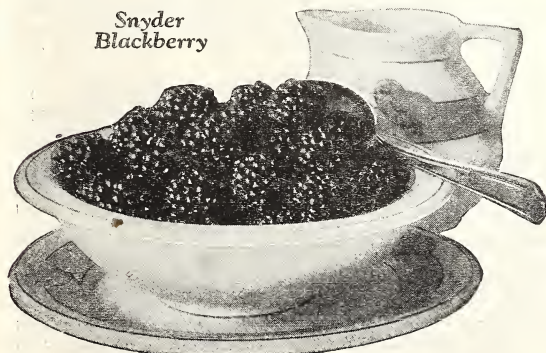
Mersereau. Remarkably strong grower, upright, producing stout, stocky canes. An enormous producer of extra size berries which are brilliant black and retain their color under all conditions; extra quality; sweet, rich, melting, without core. By mail, 15 for \$1.25; 100 for \$5.75.

Snyder. Enormously productive, medium sweet, no hard, sour core. The leading variety where hardiness is the consideration. Ripens early. By mail, 10 for 95 cts.; 100 for \$4.75.

DEWBERRY

Lucretia. It equals any of the tall-growing sorts. Perfectly hardy, healthy and remarkably productive, with large, showy flowers. The fruit, which ripens early, is often 1½ inches long by 1 inch in diameter; soft, sweet and luscious throughout. By mail, 12 for \$1.00; 100 for \$4.50.

Snyder
Blackberry



Downing Gooseberries

ELDER BERRY

(Common Fruiting)

Immense flat topped cymes of white flowers in early summer; followed in August and September by luscious black fruits—the source of Mother's "Elder Berry pie."

	Each	Per 10	Per 100
2 to 3 feet.....	\$0.50	\$4.00	\$25.00
3 to 4 feet.....	.60	5.00	35.00

GOOSEBERRIES

See Quarantine Note on Page 154.

The three fine varieties listed below are all of American origin, and well tested in all sections. Set 3 to 4 feet apart, in good rich soil, and give a liberal dressing of manure every season. Yearly pruning is essential. To prevent mildew spray bushes soon as leaves appear and several times during the summer with potassium sulphide (liver of sulphur)—one ounce to four gallons of water.

PRICE OF GOOSEBERRIES

	Each	Per 10	Per 100
Downing, 1 year.....	\$0.20	\$1.50	\$12.00
Downing, 2 years.....	.25	2.00	15.00
Houghton, 1 year.....	.15	1.20	10.00
Houghton, 2 years.....	.20	1.50	12.00
Josselyn, 1 year.....	.30	2.50	20.00
Josselyn, 2 years.....	.40	3.00	25.00

Downing. Large, handsome, pale green, and of splendid quality for both cooking and table use; bush vigorous grower, and usually free from mildew. By mail, 1-year, 35 cts. each; \$1.00 for 4.

Houghton. Medium; roundish, oval, pale red, sweet, tender, very good; plants spreading; shoots slender, enormously productive. By mail, 1-year, 30 cts. each; \$1.00 for 5.

Josselyn. Large sized, smooth, prolific and hardy, of best quality; freest from mildew, both in leaf and fruit, of them all. A wonderful cropper, with bright, clean, healthy foliage. 1-yr., 40 cts.; \$1.00 for 3.

Plant berries in the waste spaces. You are bound to enjoy the fruit.

RASPBERRIES—Delicious to Eat

WILL do well on any soil that will produce a good corn crop. Land should be thoroughly prepared and well enriched; ground bone is one of the best fertilizers. Keep well cultivated and free from weeds and suckers. As soon as they have done bearing, cut out the old wood to give more vigor to the young canes. All kinds of Raspberries are benefited by mulching both in summer and winter. Plant in rows 5 feet apart, 3 feet apart in the row.

RED RASPBERRIES

Columbian. Very large, purplish color, rather soft, rich, sprightly flavor unrivalled for canning, making jam, jelly, etc.; wonderful vigor and productiveness. By mail, 10 for 85 cts.; 100 for \$5.75.

Cuthbert ("Queen of the Market.")

A remarkably strong, hardy variety; standing the northern winter and southern summers equal to any. Very large, conical berries, measuring 3 inches around, so firm they can be shipped hundreds of miles by rail in good condition; flavor is sweet, rich and luscious. The leading market variety for main crop.

Herbert. In hardiness it easily takes first place, standing a lower temperature than any other kind. Our Canadian neighbors think very highly of it, and plant our American stock in great numbers because they have proved its dependable hardiness, and like its flavor.

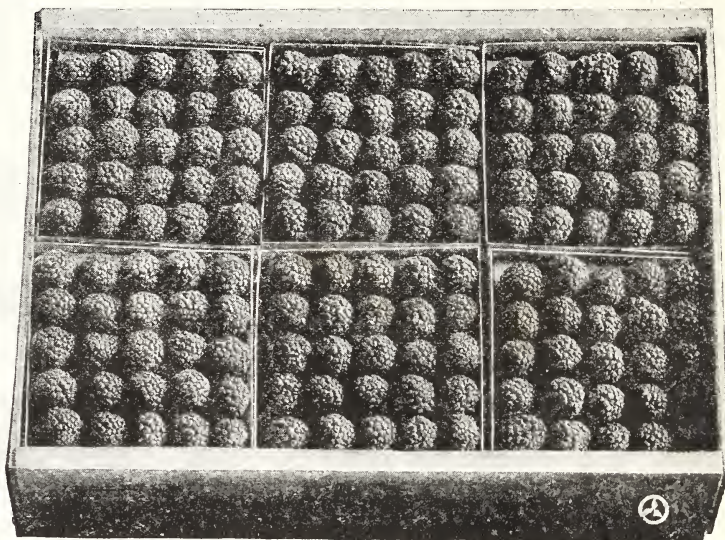
Fruit bright red, somewhat oblong, larger than Cuthbert, flavor very sweet and juicy. Season five to six days before Cuthbert. The cane is very strong and vigorous, slightly prickly, leaves large and healthy.

By mail, 10 for 85 cts.; 100 for \$5.75.

June. The earliest and only kind to fruit in June, thus earning its pretty name. A first-class variety with fruit superior to the old timers, and earlier, which is also as vigorous in growth, hardy, and as adaptable to all kinds of soil. June bears heavily and with undiminished size over a long period, the fruit shipping well and making a handsome appearance in the markets. It shows the bright red color of London; is larger and rounder than Cuthbert; its quality is equal to any; and—joy to the pickers—it has no thorns.

By mail, 10 for 85 cts.; 100 for \$5.75.

King. Plant is a strong grower. Berry is firm, a good shipper; large size; beautiful bright scarlet color; ripens with the earliest. An old timer, but too good and too red to let go.



Latham, the New Mosaic-Free Red Raspberries

Latham. THE NEW MOSAIC-FREE, HARDY RED RASPBERRY.

This remarkable and very desirable new variety makes its commercial advent at an opportune time, when critical inspection and official control work hardship for any stock not perfectly free from Mosaic or other raspberry afflictions. This type is certified absolutely Mosaic-free, and acceptable anywhere. Latham is perfectly hardy, withstanding Manitoba winters without protection. Its production is superlative, outyielding even Cuthbert. The berries are large and round, with profitable shipping firmness. The color is a richly brilliant red, an eye-catcher on market stands, a delightful table feature, and a perfect canned exhibit. By mail, 15 cts. each; 10 for \$1.15; 100 for \$7.00.

Marlboro. Large size, light crimson color; good quality and firm. Vigorous and productive. The best, well tested, large, early berry for the North.

St. Regis. (Ranere.) Fruit commences to ripen with the earliest and continuing on young canes until October, many quarts often being picked after the first snow fall. Berries bright crimson, large size, rich, sugary with full raspberry flavor. Flesh firm and meaty, a good shipper. Wonderfully prolific. Canes stocky, of strong growth, with abundance of dark green leathery foliage.

PRICES OF RASPBERRIES

	Per 10	Per 100	Per 1000
Black—Cumberland, and			
Plume Farmer	\$0.50	\$3.00	\$25.00
Black—Gregg .....	.55	3.50	28.00
Red—Cuthbert .....	.60	3.50	28.00
Red—Columbian .....	.50	5.00	40.00
Red—Herbert .....	.70	5.00	40.00
Red—June .....	.70	5.00	....
Red—King .....	.50	3.50	30.00
Red—Latham .....	.90	6.50	55.00
Red—Marlboro .....	.50	3.50	30.00
Red—St. Regis .....	.50	3.50	28.00
Yellow—Golden Queen .....	.75	6.00	....

By mail, unless noted, 10 for 75 cts.; 100 for \$4.00.

Mulching Small Fruits

Mulching of currants and gooseberries will give good results. A strawberry bed should have a light coating of coarse hay, or straw, that is free from weed seed, after the ground has frozen two inches deep and in the spring just about the time growth starts, this covering should be raked between the rows and allowed to remain there until the fruit has been harvested. Then it should be removed and cultivation be resumed.

BLACK RASPBERRIES

Cumberland. A healthy, vigorous grower, throwing up stout, stocky, well branched canes that produce immense crops. Fruits very profitable; large, firm, quality about same as Gregg, keeps and ships as well as any of the blacks. Mid-season.

Gregg. For many years the leading standard best known market sort. Very productive, large size, firm, meaty berries, covered with heavy bloom.

Plum Farmer. A few days later than Kansas, maturing the entire crop in a very short period; making one of the most profitable early market sorts. The berries are large, thick-meated, firm; attractive, with a bloom similar to Gregg.

YELLOW RASPBERRIES

Golden Queen. A beautiful, large golden yellow berry surpassing Cuthbert in size, beauty, quality and adaptability. This variety is not only one of the most delicious to the taste, but makes an enticing appearance when served fresh, either alone or in mixture with the other colors of berries. Canes hardy, of strongest growth, productive. By mail, 10 for 90 cts.; 100 for \$6.75.

RHUBARB

"Pie Plant"

PRICE OF RHUBARB

	Each	Per 10	Per 100
Linnaeus	\$0.20	\$1.50	\$8.00

Linnaeus. Large, early, tender and fine. The old reliable pie kind. By mail, 25 cts.; \$1.00 for 5.

ASPARAGUS



Nothing that comes out of the home garden is so much appreciated, as the tender tips and fresh stalks of asparagus. A small bed of them kept weed-free, or a border along the garden edge, will supply the average table for six weeks or more in late spring.

In planting, make soil rich; dig trench; set 12 to 18 inches apart, roots spread out, crown 2 inches below surface; and tamp in returned soil firmly.



Palmetto. A very early variety; even regular size, of excellent quality. By mail, 50 for \$1.00; 100 for \$1.75.

Washington. A new rust-resistant pedigreed Asparagus. As a standard variety for the production of fancy Asparagus for the home or market, it stands ahead of all others in size, vigor, tenderness, quality, and rust-resistance. By mail, 50 for \$1.25; 100 for \$2.25.

PRICE OF ASPARAGUS

	Per 10	Per 100	Per 1000
Palmetto, 1 year.....	\$0.30	\$1.50	\$10.00
Palmetto, 2 years.....	.60	2.00	12.00
Washington, 1 year.....	.40	2.00	12.00
Washington, 2 years.....	.70	2.50	15.00

PRUNING AND TRAINING OF SMALL FRUITS.—Bramble fruits like blackberries, raspberries, dewberries, etc., should have all old wood, (older than the previous season's growth) cut out close to the ground each spring and the past season's growth should be trimmed back to 3 to 4 feet in height. All of the old canes should be removed and should be burned.

STRAWBERRIES

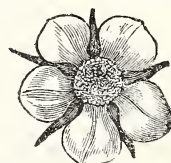
If plants are set 1½ by 3 feet, it will require 9680 plants to an acre

Strawberries will succeed in any soil that is adapted to ordinary farm or garden crops. Soil should be thoroughly prepared to a good depth, well drained and enriched. Vegetable manure (muck, rotten

turf, wood soil, ashes, etc.) is the best. For field culture set in rows 3 to 3½ feet apart, 15 to 18 inches in rows; for garden 15 inches apart each way, leaving pathway every third row. To produce fine, large fruit, keep in hills, pinching runners off as soon as they appear. Ground should always be kept clean and well cultivated. In winter a covering of leaves, straw or some kind of litter will protect the plants. Do not cover them until ground is frozen, or so deep as to smother the plants, and remove covering before growth starts in spring. Mulching will keep the fruit clean and the soil in good condition. (E), (M) and (L) designate early, medium or late.



Perfect Flower



Imperfect Flower

The blossoms of those varieties marked with (P) are destitute of stamens and are termed "pistillate," and unless a row of perfect flowering variety is planted at intervals not exceeding about a rod, they will produce imperfect fruit and but little of it; but when properly fertilized as a rule they are the most prolific. Dip in water as soon as received, and bury the roots in moist, shady ground until ready to set out; do not neglect.

There are big profits in Strawberries.

EVERBEARING STRAWBERRIES

"Everbearing Strawberries" yield fruit continuously from May or June until frost. They are practical croppers, and coming out of ordinary season, bring very profitable prices for market. **CAUTION:** To obtain the largest size and finest quality of fruit in the fall, keep flowers picked off until about the first of July.

Mastodon. Since introduction of the Everbearing class, many varieties have been tried, improved and supplanted. According to many reports gathered from all berry-growing sections of the country, Mastodon is the last word and outranks all predecessors. It is of immense size, an almost incredible cropper, of choice quality, and the strongest grower yet developed. More productive than most June bearers, its fall pickings are sufficient from but a few plants, and very profitable.

PRICES OF STRAWBERRIES

	Per 10	Per 100	Per 1000
MASTODON (Everbearing)	\$0.60	\$3.50	\$25.00
BEACON, Bliss, Boquet..	1.00	5.00	.....
PREMIER .....	.45	1.10	8.50
BRANDYWINE, Cooper, Dr. Burrill, Dunlap, Gibson, Glen Mary, Parsons Beauty, Sample, Wm. Belt.....	.40	1.00	8.00

If ordered by Mail, postpaid—add 10 cts. per 10 plants; or 25 cts. per 100 plants.

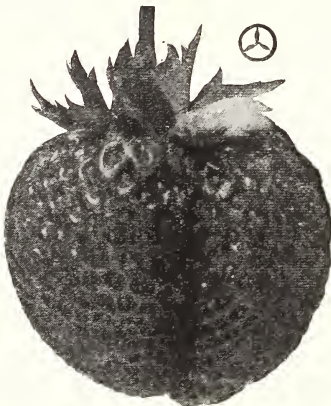
STANDARD VARIETIES

The first three are recommended by the New York State Fruit Testing Co-operative Association for quality and superlative production.

Beacon. (E) Beacon is one of the best early strawberries. The crop ripens with that of Dunlap, long a standard early kind, and, packed for market, it is about the handsomest early strawberry grown on the Station grounds. The berries hold up well throughout their season in spite of drought or other adverse conditions. The quality is excellent. The plants are numerous, healthy, and productive, very large and vigorous, and are characterized by long pedicels which make picking easy. The flowers are perfect.

Bliss. (L) Bliss is recommended as a late mid-season strawberry for home or market. The berries are large, handsome, bright red, glossy, uniform in size and shape, and colored evenly. The flesh is well colored to the center and is a pleasant commingling of sweetness, richness and sprightliness, which makes it among the best in flavor. The plants stand as high in essential characteristics as any of the commercial varieties of the same season, and in one respect surpasses most of its garden associates—the variety withstands drought well and there are few small berries when the soil is parched with dry, hot weather.

BOQUET. (M) Boquet ripens about midway between Beacon and Bliss. These three new ber-



Dr. Burrill



ries cover the strawberry season in New York. The berries of Boquet are characterized by their large size, blunt-conical shape, and by the compact clusters at the ends of the fruit-stems. The berries are uniformly colored a light red, and the flesh is well colored to the center. The berries are rich and sweet, refreshing. The fruits ship excellently and keep well in these respects, averaging far above the common run of commercial strawberries. The plants are vigorous, productive and healthy, withstand drought well, and produce an unusually large number of big and handsome berries.

BRANDYWINE. (L) Large, productive, excellent conical form; dark glossy-red to center.

Cooper. (M) A new berry of considerable promise for home use and local markets. Good size with pointed end, bright color, fine flavor, and a heavy production; the growth strong.

Dr. Burrill. (M) A marvel of productiveness, quality, color, size and firmness. The fruit is very firm and of even shape; dark, glossy red with yellow seeds and green calyx; making a beautiful combination.

Dunlap. (E) Rampant runner, plants should be restricted. Fruit good size, regular form, beautiful bright red, glossy; firm, splendid keeper and shipper.

Gibson. (M) One of the best and most profitable sorts for both home and market. Strong growers with long roots, abundant foliage. Very productive. Ber-

ries extra large choice flavored, dark glossy red.

Glen Mary. (M) Berries large to very large, often flattened, bright deep red on surface, light red to center; sweet, rich, good flavor. Productive.

Parsons Beauty. (M) Large, bright red, conical, firm berries, shipping well; productive and profitable.

Premier. (E) Productive; fruit highly colored, firm, a splendid shipper, of superb quality. Strong clean protecting foliage.

Wm. Belt. (M) A reliably productive berry for market or home use. Extra large, conical, uniform in shape, brilliant glossy red; large crops.

Sample. (P) (L) A standard sort for both home and market. Large dark colored berries in profusion, of uniform size.

Everyone should have a Strawberry patch.

NUT TREES—Profitable and Ornamental

Almost every farm contains land that should be planted to nut trees. Nuts in many cases pay better than farm crops or fruits, while most kinds are making a growth of valuable timber that will of itself pay a large per cent on the investment.

PRICE OF NUTS	Each	Per 10
Butternut, 3 to 4 feet.....	\$0.70	\$6.00
Butternut, 4 to 6 feet.....	1.00	8.50
Chestnut, Spanish, 3 to 4 feet.....	1.50	12.50
Filbert, American, 1½ to 2 feet.....	.60	5.00
Filbert, American, 2 to 3 feet.....	.75	6.50
Filbert, English, 1½ to 2 feet.....	.75	6.50
Filbert, English, 2 to 3 feet.....	1.00	9.00
Filbert, English, 3 to 4 feet.....	1.25	11.50
Walnut, Black, 3 to 4 feet.....	.75	6.50
Walnut, Black, 4 to 6 feet.....	.90	8.00
Walnut, Japan—Sieboldi and Max-Cordiformis, 3 to 4 feet.....	1.00	8.00
Walnut, Cordiformis, 4 to 6 feet.....	1.25	10.00
Walnut, Cordiformis, 6 to 8 feet.....	1.50	12.50
Walnut, English, 1½ to 2 feet.....	.85	7.50
Walnut, English, 2 to 3 feet.....	1.00	9.00

CHESTNUTS

Spanish. A handsome round-headed tree producing abundantly very large nuts that find a ready market at good prices. Not so sweet as the American and tree not so hardy.

FILBERTS

American. The common Hazelnut. Will grow in almost any location, but prefers a rather moist soil, such as can be found along streams. Nuts are tender and of fine flavor.

English. Of easiest culture, growing 6 to 8 feet high, entirely hardy, and one of the most profitable and satisfactory nuts to grow, succeeding on almost all soils, bearing early and abundantly; nuts nearly round, rich and of excellent flavor, admired for the dessert.



English Walnuts

WALNUTS

Black. A native tree of large size and majestic form, beautiful foliage. The most valuable of all trees for its timber, which enters largely into the manufacture of fine furniture and cabinet ware, and brings the highest price in market.

Butternut or White Walnut. Native tree, producing a large nut. Has a sweet, oily nutritious kernel.

English. Where hardy, it produces immense crops of thin-shelled delicious nuts, which are always in demand at good prices; fruit in green state is highly esteemed for pickling. Will not grow in the North.

Japan, Max-Cordiformis. Differs from Sieboldi in form of nuts, which are broad-pointed, flattened, resembling Hickory.

Japan, Sieboldi. Perfectly hardy, rapid grower, handsome form, immense leaves; bears young and abundantly. Nuts produced in clusters; resembles Butternut in shape and quality; smaller; smooth and thinner shell.

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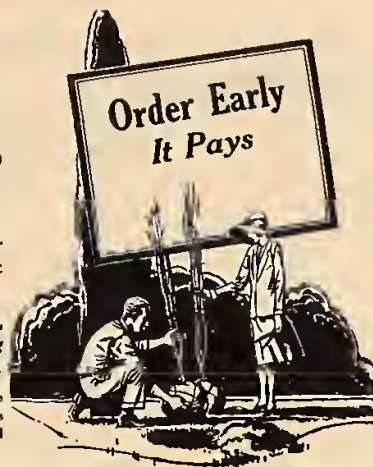
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